CONSTRUCTION NEWS

Engineering News-Record, October 25, 1923

The Construction Barometer

Curtailment in Iron and Steel Output—Drop in Unfilled Tonnage—Bank Debits Gain

CURTAILMENT in iron, steel and textile output reflects the recent falling off in demand. Cement however, is being produced at the highest rate on record and common brick are rapidly heading in the same direction.

Almost all buying is on a strictly conservative basis and confined to actual requirements only. That there has been more activity among purchasers since Summer, is evidenced by the increase in debits to individual accounts, as shown by the chart.

Unfilled steel tonnage has diminished steadily since the March peak and with September ingot production at the lowest point for the year, the position of the steel industry, usually considered a barometer of other industries, is clearly shown.

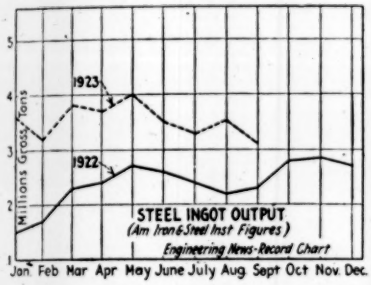
Engineering News-Record Statistics

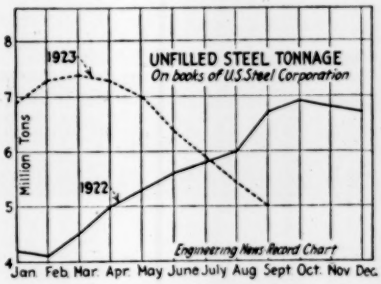
VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

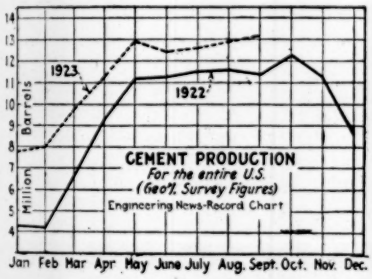
Week Ended	Public Work	Private Work	Total Contracts
Oct. 4	$16,915,000	$17,145,000	$34,060,000
Oct. 11	16,047,000	16,019,000	32,066,000
Oct. 18	17,421,000	44,487,000	61,908,000
3 weeks	$50,383,000	$77,651,000	$128,034,000

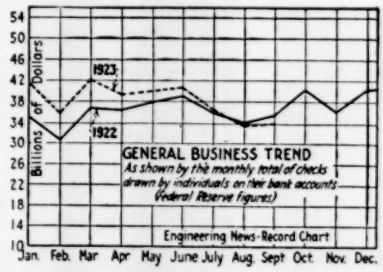
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

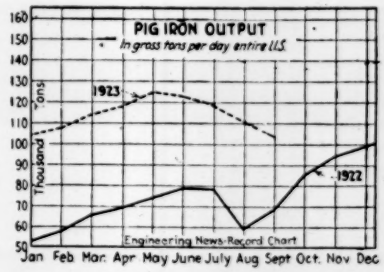
Week Ended	Public No.	Public Work	Private No.	Private Work
Oct. 4	12	$4,651,000	33	$12,587,000
Oct. 11	14	3,994,000	33	11,490,000
Oct. 18	9	1,844,000	35	13,968,000
3 weeks	35	$10,489,000	101	$38,045,000


Millions Gross Tons
1923
1922
STEEL INGOT OUTPUT
(Am Iron & Steel Inst Figures)
Engineering News-Record Chart
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


1923
UNFILLED STEEL TONNAGE
On books of U.S. Steel Corporation
Million Tons
1922
Engineering News Record Chart
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec




Billions of Dollars
1923
1922
GENERAL BUSINESS TREND
As shown by the monthly total of checks drawn by individuals on their bank accounts
(Federal Reserve figures)
Engineering News-Record Chart
Jan. Feb. Mar Apr May June July Aug. Sept Oct. Nov. Dec.


PIG IRON OUTPUT
In gross tons per day entire U.S.
Thousand Tons
1923
1922
Engineering News-Record Chart
Jan Feb Mar Apr May June July Aug Sept Oct. Nov Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

Oct. 29 Bethlehem, Pa. .....Oct. 18
Adv. Oct. 18 and 25.
Oct. 29 West Monroe, La. .....Oct. 25
Oct. 30 Washington, Ia. .....Oct. 11
Oct. 30 Katonah, N. Y. .....Oct. 25
Adv. Oct. 18 and 25.
Oct. 30 Oakland, Ia. .....Oct. 25
Oct. 30 Albia, Ia. .....Oct. 25
Oct. 30 El Segundo, Calif. .....Oct. 25
Oct. 31 Buffalo, N. Y. .....Oct. 25
Nov. 1 Jamestown, N. Y. .....Oct. 25
Adv. Oct. 18 and 25.
Nov. 3 McLeansboro, Ill. .....Oct. 18
Nov. 5 Haledon, N. J. .....Oct. 11
Nov. 5 El Segundo, Calif. .....Oct. 25
Nov. 6 Stockton, Calif. .....Oct. 25
Nov. 6 Moorehead, Miss. .....Oct. 25
Nov. 8 Grand Rapids, Mich. .....Oct. 25
Adv. Oct. 25.
Nov. 20 Ponchatoula, La. .....Oct. 25
Adv. Oct. 25.
Dec. 23 New Holstein, Wis. .....Oct. 11

SEWERS

Oct. 29 Fond du Lac, Wis. .....Oct. 25
Oct. 29 Cuyahoga Heights (Cleveland P. O.), O. .....Oct. 25
Oct. 30 St. Louis, Mo. .....Oct. 4
Oct. 30 Miami, Fla. .....Oct. 25
Nov. 1 Fort Erie, Ont. .....Aug. 23
Nov. 2 Milwaukee, Wis. .....Oct. 25
Nov. 5 Hollister, Calif. .....Oct. 25
Nov. 7 Freehold, N. J. .....Oct. 25
Adv. Oct. 25.
Nov. 20 Ponchatoula, La. .....Oct. 25
Adv. Oct. 25.
Dec. 10 New Orleans, La. .....Oct. 11
Adv. Oct. 11 to 25.
Dec. 23 New Holstein, Wis. .....Oct. 11

WASTE DISPOSAL

Oct. 30 Indianapolis, Ind. .....Oct. 11

BRIDGES

Oct. 27 Cleveland, O. .....Oct. 18
Oct. 29 California .....Oct. 11
Oct. 29 New Jersey .....Oct. 25
Oct. 30 Alabama .....Oct. 4
Nov. 2 Georgia .....Oct. 25
Nov. 5 Fremont, O. .....Oct. 11
Nov. 6 Quitman, Miss. .....Oct. 11
Nov. 6 Florida .....Oct. 25
Nov. 7 Minnesota .....Oct. 18
Nov. 9 New Jersey .....Oct. 25
Adv. Oct. 25.

Bids Close — See Eng. News-Record

Nov. 12 Jacksonville, Fla. .....Oct. 25
Adv. Oct. 25.
Nov. 26 Alabama .....Oct. 25
Nov. 30 Sydney, Australia .....Apr. 19
May 1 Tientsen, North China ....Oct. 11

RAILWAYS

Mar. 18 New Zealand .....Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Oct. 30 Emmetsburg, Ia. .....Oct. 25
Nov. 9 Lovelock, Nev. .....Oct. 25
Adv. Oct. 25.

STREETS AND ROADS

Oct. 29 Michigan .....Oct. 18
Oct. 30 Cheraw, S. C. .....Oct. 11
Oct. 30 Michigan .....Oct. 18
Oct. 30 Louisiana .....Oct. 18
Oct. 30 Saluda, S. C. .....Oct. 25
Oct. 30 Louisiana .....Oct. 25
Oct. 30 Kountze, Tex. .....Oct. 25
Oct. 30 Fort Worth, Tex. .....Oct. 25
Oct. 30 St. George, N. Y. .....Oct. 25
Oct. 30 New York, N. Y. .....Oct. 25
Oct. 31 Jefferson, Tex. .....Oct. 11
Oct. 31 Long Island City, N. Y. ..Oct. 25
Nov. 1 Claremore, Okla. .....Oct. 18
Nov. 1 Oakland, Calif. .....Oct. 25

Bids Close			See Eng. News Record
Nov.	1	New York, N. Y.	Oct. 25
Nov.	2	Georgia	Oct. 25
Nov.	2	Beloit, Wis.	Oct. 25
Nov.	3	Indiana	Oct. 25
Nov.	3	Amarillo, Tex.	Oct. 25
Nov.	5	Okeechobee, Fla.	Oct. 25
Nov.	5	Hondo, Tex.	Oct. 11
Nov.	5	Redwood City, Calif.	Oct. 25
Nov.	5	Riverside, Calif.	Oct. 25
Nov.	6	Marlin, Tex.	Oct. 18
Nov.	6	Washington	Oct. 4
Nov.	6	Stockton, Calif.	Oct. 25
Nov.	6	Sebring, Fla.	Oct. 25
Nov.	6	Louisiana	Oct. 25
Nov.	6	Michigan	Oct. 25
Nov.	6	Center, Tex.	Oct. 25
Nov.	6	Cameron, Tex.	Oct. 25
Nov.	6	New Albany, Miss.	Oct. 25
Nov.	6	Mendota, Minn.	Oct. 25
Nov.	7	Minnesota	Oct. 18
Nov.	7	Clarksville, Tex.	Oct. 25
Nov.	7	Nevada	Oct. 25
Nov.	12	Dallas, Tex.	Oct. 25
Nov.	13	Alabama	Oct. 25
Nov.	14	Coleman, Tex.	Oct. 25

INDUSTRIAL WORK

Nov.	8	Palmyra, N. Y. Adv. Oct. 11 to 25.	Oct. 11
Nov.	8	Vischers Ferry, N. Y. Adv. Oct. 25.	Oct. 25

BUILDINGS

Oct.	27	Syracuse, N. Y.	Oct. 25
Oct.	29	Hicksville, N. Y.	Oct. 25
Oct.	29	Springfield, O.	Oct. 25
Oct.	29	Indianapolis, Ind.	Oct. 25
Oct.	29	Phila., Pa.	Oct. 25
Oct.	30	Lancaster Pa.	Oct. 25
Oct.	30	New York, N. Y.	Oct. 11
Oct.	30	Norristown, Pa.	Oct. 11
Oct.	31	Piqua, O.	Oct. 25
Nov.	1	Flourtown, Pa.	Oct. 25
Nov.	1	Palmerton, Pa.	Oct. 25
Nov.	1	Charlotte, N. C.	Oct. 25
Nov.	1	Ft. Worth, Tex.	July 12
Nov.	1	Dallas, Tex.	Aug. 2
Nov.	1	St. Louis, Mo.	Oct. 18
Nov.	1	Hutchinson, Kan.	Oct. 11
Nov.	6	Trenton, N. J.	Oct. 25
Nov.	8	Dayton, O.	Oct. 25
Nov.	12	Cincinnati, O.	Oct. 25
Nov.	12	Appleton, Tex.	Oct. 25
Nov.	13	Brooklyn, N. Y.	Oct. 25
Nov.	30	Maggie, W. Va.	Oct. 4
Dec.	1	Charleston, W. Va.	Oct. 25

FEDERAL GOVERNMENT WORK

Oct.	29	Dredging—New Rochelle, N. Y. Adv. Oct. 4 to 25.	Oct. 4
Oct.	30	Dredging—Norfolk, Va. Adv. Oct. 11 and 25.	Oct. 11
Oct.	30	Steel Barge, etc.—Milwaukee, Wis. Adv. Oct. 18 and 25.	Oct. 25
Oct.	31	Repairing Jetty—Freeport, Tex. Adv. Oct. 4 to 25.	Oct. 4
Oct.	31	Dredging—Galveston, Tex.	Oct. 18
Nov.	1	Pipe Line Dredge—Chicago, Ill. Adv. Sept. 6, 13, 20 and Oct. 25.	Sept. 6
Nov.	1	Catamarans, etc.—Chicago, Ill.	Sept. 20
Nov.	1	Stone—Juneau, Alaska	Oct. 18
Nov.	2	Dredge Pump, etc.—New Orleans, La. Adv. Oct. 11 to 25.	Oct. 11
Nov.	5	Post Office—Hoosick Falls, N. Y.	Oct. 11
Nov.	5	Pump, etc.—Presidio (San Francisco P. O.), Calif.	Oct. 18
Nov.	6	Quarters—Baltimore, Md. Adv. Oct. 18 and 25.	Oct. 18
Nov.	6	Sewer Pipe—American Falls, Idaho	Oct. 11
Nov.	7	Extension—Pearl Harbor, H. T.	Sept. 20
Nov.	10	Quarters — Hot Springs, Ark.	Oct. 18
Nov.	10	Breakwater—Indiana Harbor, Ind. Adv. Oct. 18 and 25.	Oct. 18
Nov.	14	Storehouse—Pearl Harbor, H. T.	Sept. 27
Nov.	14	Post Office—Carroll, Ia. Adv. Oct. 18 and 25.	Oct. 18
Nov.	14	Fuel Oil Storage—Mare Island, Calif.	Oct. 25
Nov.	16	Quarters, etc.—Fort Benning, Ga. Adv. Oct. 25.	Oct. 25
Nov.	20	Post Office—Central City, Neb. Adv. Oct. 18 and 25.	Oct. 18
Nov.	20	Barges—Chicago, Ill. Adv. Oct. 25.	Oct. 25
Nov.	21	Sewer—American Falls, Idaho Adv. Oct. 25.	Oct. 25
Nov.	21	Post Office—Steubenville, O.	Oct. 25
Nov.	23	Barges—Louisville, Ky. Adv. Oct. 25.	Oct. 25
Nov.	24	Dredging—New York, N. Y. Adv. Oct. 25.	Oct. 25
Nov.	30	Dam—Quebradillas, P. R.	Sept. 27
Dec.	1	Steel Barges—Mobile, Ala. Adv. Oct. 25.	Oct. 25

MISCELLANEOUS

Oct.	26	Station Finish—Brooklyn, N. Y.	Oct. 18
Nov.	1	Piping, etc.—Jamestown, N. Y.	Oct. 25
Nov.	2	Relocating Entrance, etc. — New York, N. Y.	Oct. 25
Nov.	2	Column Foundations, etc. — Long Island City, N. Y.	Oct. 25
Nov.	2	Station Finish—Brooklyn, N. Y.	Oct. 25
Nov.	6	Sprinkler Truck—Calexico, Calif.	Oct. 25
Nov.	7	Board Walk—Spring Lake, N. J. Adv. Oct. 11 to 25.	Oct. 11
Nov.	12	Tractors—Dallas, Tex.	Oct. 25
Nov.	12	Borings for Subway—Oakland, Calif.	Oct. 25
Nov.	15	Ferry Landing—New Orleans, La.	Oct. 18
Nov.	26	Portland Cement—Los Angeles, Calif.	Oct. 18
Jan.	19	Transformers, etc.—Melbourne, Australia Adv. Oct. 18 and 25.	Oct. 18
Feb.	28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Fredonia—Nov. 12 to vote on $187,000 bonds impounding dam on east branch of Canawaywa Creek, 2 mi. 16 in. and 4 mi. 12 in. mains, and chlorination plant at junction. W. H. Shelton, city engr. A. Gregory, Johns Hopkins University, Baltimore, assistant engr.

W. Va., Keyser—City Council takes bids in December or January for filtration plant in connection with waterworks system. Bond issue of $175,000 has been arranged for project.

N. C., Greensboro—Sold $225,000 bonds for waterworks and street improvements. P. C. Painter, city mgr.

N. C., Greensboro—See "Miscellaneous."

S. C., Inman—Election Nov. 13, to vote on $50,000 bonds for waterworks, and $50,000 bonds for sewerage system.

S. C., Westminster—Election Oct. 25, to vote on $150,000 bonds for waterworks, and $50,000 bonds for sewers.

Tenn., Cookeville—Voted $150,000 bonds, waterplant improvements, and sewerage system. Noted Sept. 13.

O., Barberton—Plans election in November to vote on $325,000 bonds 30 mi. water main extensions. H. W. Alcorn, city engr. Noted March 22.

O., Crooksville — Plans complete water system. $400,000. Engineer not announced.

O., Massillon — Massillon Water Supply Co. plans to drill several new wells, install 2 m.g. electric pump, and lay transmission lines, etc. $50,000.

O., Roseville—Plans complete water system. $400,000. Engineer not announced.

Mich., Detroit—Bd. Water Comrs. had plans prepared laying 15,920 lin.ft. 12 in c.i. mains in Courville Ave. and Three Mile Dr., from Mack to Harper Aves. T. A. Leisen, Water Works Park, engr.

Mo., Breckenridge—Defeated $45,000 bonds waterworks and distribution system. This corrects report in Oct. 18 issue.

Mo., Norborne—Voted $57,179 bonds for water system and $33,428 bonds for lighting plant. R. R. McBride, Kansas City, engr. Noted Sept. 20.

Mo., St. Louis—Will probably take bids in February three 66 in. c.i. pipe lines from new water plant at Howards Bend to western city limits, about 14 mi. Alternate plan calls for two 72 in. lines. $2,500,000. E. E. Wall, City Hall, comr. Noted March 8.

Tex., Dallas—See "Miscellaneous."

Tex., Marshall — Voted $80[illegible] bonds waterworks improvements. H. S. [illegible]ce, city secy. Noted Sept. 13.

Okla., Okemah—Making preliminary surveys reservoir, filtration plant and pumping equipment. $40,000. Holway [illegible] Co., Wright Bldg., Tulsa, engrs.

Calif., Berkeley—Plans installing water mains in various sections of city. $100,000. Burns & McDonnell Eng. Co., Marsh Strong Bldg. Los Angeles, engrs. J. N. [illegible], city mgr.

Ont., Bellville — Soon takes bids pumphouse and gasoline driven fire pump, 3 m.g. capacity. $25,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Goderich—Takes bids about Jan. 1, new intake pipe for waterworks, either 22 or 24 in. $75,000. Prices wanted on materials. E. H. Darling, Home Bank Bldg., Hamilton, engr. Noted Sept. 13.

Ont., North Bay—Plans to extend and repair waterworks, 3 mi. c.i. pipe, 6 in. up. $50,000. W. Mackie, Town Hall, engr.

Ont., Port Credit—Gore, Nasmith & Storrie, engrs., Confederation Life Bldg., Toronto, soon take bids 10,000 ft. 6 and 8 in. c.i. main extension for town. $26,000.

BIDS DESIRED

N. Y., Jamestown—Nov. 1, by Bd. Pub. Utilities, c.i. pipe and fittings, Contr. Bd-3-23, Contr. Bd-6-23, and Contr. Bd-4-23, M. O. Swanson, supt.; adv. E. N.-R. Oct. 25.

N. Y., Katonah—Oct. 30, by Bd. Water Comrs., steel standpipe and c.i. pipe line. Fuller & McClintock, 170 Bway., New York City, engrs.; adv. E. N.-R. Oct. 25.

Miss., Moorehead—Nov. 6, by J. J. Henry, mayor and Bd. Aldermen, waterworks. H. A. Mentz, Magnolia, consult. engr.

La., Ponchatoula — Nov. 20, by W. R. Haight, mayor, and Bd. of Aldermen, waterworks improvements. Swanson-McGraw, Inc., 705 United Fruit Bldg., New Orleans, engrs.; adv. E. N.-R. Oct. 25.

La., West Monroe—Oct. 29, by Bd. Aldermen, extending waterworks, 3,200 ft. 10 in., 4,200 ft. 8 in. and 100,000 ft. 6 in. pipe. R. S. Reynolds, city engr.

O., Cuyahoga Heights (Cleveland P. O.) —See "Sewers"

Mich., Grand Rapids—Nov. 8, by W. A. Sperry, dir. Pub. Serv., filter plant extension, Contr. 8. R. E. Harrison, engr.; adv. E. N.-R. Oct. 25.

Ia., Albia—Oct. 30, for impounding dam, 62,000 cu.yd. embankment, 1,000 cu.yd. rein.-con. core wall, spillway and paving (part of general waterworks project). Brown & Cook, Ottumwa, engrs. Noted Sept. 27.

Ia., Oakland—Oct. 30, by G. A. Luxford, city clk., sinking 12 in. well, 1,200 ft. deep. Currie Eng. Co., Webster City, engrs.

Calif., El Segundo—Oct. 30, by V. D. McCarthy, city clk., furnishing 8,400 ft. 4 in. c.i. water pipe.

Calif., El Segundo — Nov. 5, by F. M. Palmer, clk. School Dist., furnishing 86,000 gal. centrifugal pump.

Calif., Stockton — Nov. 6, by E. D. Graham, clk. Bd. Supervs. San Joaquin Co., furnish and erect 1 standard 4 panel type hemispherical bottom steel tank, 50,000 gal. capacity, on 100 ft. steel frame tower.

CONTRACTS AWARDED

Miss., Leland—Waterworks and sewers, general work to Schevenell Contg. Co., Memphis; iron pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala.; sewer pipe, to Southern Sewer Pipe Co., 28th Ave. N., Birmingham, Ala., and Fischer Lime & Cement Co., 269 Walnut St., Memphis; hydrants and valves, to Columbia Iron Wks., 811 Boyce St., Chattanooga, Tenn. Noted Sept. 27.

Mich., Detroit—Bd. Water Comrs., 6,000 lin.ft. 8 in. centrifugal water pipe to Natl. Cast Iron Pipe Co., 1031 Dime Bank Bldg., $2.16 per lin.ft.; 275 tons A.W.W.A. 8 in. c.i. pipe, to Lynchburg Fdry. Co., Peoples Natl. Bank Bldg., Lynchburg, $53.70 per ton.

Wis., Algoma — Mains, to E. Olson, Sturgeon Bay, $18,700; elevated water tank, to Chicago, Bridge & Iron Co., 105th and Troop Sts., Chicago, Ill. $8,400.

Tex., Lampasas—For 18,000 ft. miscellaneous mains, to Moore & Johnson, Lampasas, $21,369. Noted Sept. 27.

Ont., Belleville—Extending waterworks, 1,400 ft. 30 in. diam., steel intake pipe to Canadian Des Moines Steel Co., Chatham, $14,722; laying pipe to R. McDonald Co., Crown Office Bldg., Toronto, $39,748; mechanically operated screen to Link Belt Co., 265 Wellington St. W., Toronto, $3,476; hydraulic valve 30 in. diam., to Drummond McCall Co., 373 Front St. E., Toronto, $888.

Sewers

PROPOSED WORK

Conn., New Britain—Plans 20 in. sanitary sewer in Mill and Jerome Sts. $25,000. J. D. Williams, city engr.

Va., Norfolk—See "Streets and Roads."

W. Va., Bluefield—Rejected bids for 14 mi. 6-48 in. sewer pipe, 500 manholes, 100 storm water inlets, etc. Noted Oct. 18.

N. C., Greensboro—Lets contract about Dec. 1, outfall sewer and lateral between Randolph Ave. and South Elm St. incl. Glenwood, Spring Garden and Ashboro Sts. $100,000. P. C. Painter, city mgr.

N. C., Greensboro—See "Miscellaneous."

S. C., Inman—See "Waterworks."

S. C., Westminster—See "Waterworks."

Fla., Sanford—Voted $80,000 bonds extending sanitary sewers. F. T. Williams, Sanford, engr. Noted Sept. 20.

Tenn., Cookeville—See "Waterworks."

O., Toledo—City and State plan sanitary sewer. $250,000. State Eng. Dept., Columbus, engrs.

Kan., Emporia — Having preliminary plans prepared large disposal plant in southern part of city $100,000, also 1,100 ft. storm sewers in north and west ends $9,000. R. J. Paulette, city engr.

Mo., Breckenridge — Defeated $35,000 bonds storm and sanitary sewers. This corrects report in Oct. 18 issue.

Mo., Norborne—Voted $39,133 bonds for sewers. R. R. McBride, Kansas City, engr. Noted Sept. 20.

Tex., Dallas—See "Miscellaneous."

Tex., Grandview—Defeated $30,000 bonds disposal plant. Noted Sept. 13.

Tex., Waco — Soon takes bids disposal plant. $350,000 bonds to be sold. V. G. Koch, city engr.

Okla., Stroud—Making preliminary surveys 7 mi. sanitary sewerage system and disposal plant. $75,000. Benham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs. Noted Nov. 16, 1922.

Ont., Oshawa—Soon takes bids 10,000 ft. 8-12 in. vitr. tile sanitary sewers in Cedarvale. $25,000. W. C. Smith, city engr.

Ont., Toronto—Soon takes bids for 12,000 lin.ft. 8-24 in. vitr. tile sanitary and storm sewers in Balmuto St., lane near Bathurst St., Strathmore Blvd., Bodwin Ave., lane near Parkway Ave. and one near St. Clair Ave., $10,115, also Rosedale Heights Drainage System, $22,645. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Buffalo—Oct. 31, by Dept. Pub. Wks., Municipal Bldg., sewers in various streets. To exceed $25,000. C. E. P. Babcock, city engr.

N. Y., New York — See "Streets and Roads."

N. J., Freehold—Nov. 7, by Bd. Freeholders Monmouth Co., Court House, 20 in. storm sewer, etc., on West Long Branch-Interlaken Rd. 41, Sect. 1. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Oct. 25.

Fla., Miami—Oct. 30, by F. H. Wharton, city mgr., 27,835 lin.ft. 4-10 in. terra cotta and c.i. pipe sewer, 9,320 ft. oil macadam and 3,000 ft. macadam pavement, etc., in Sewer Dists. 81-89, inclusive, Contr. Sr. 34. C. W. Murray, dir. pub. service.

La., Ponchatoula — Nov. 20, by W. R. Haight, mayor, and Bd. of Aldermen, sewerage system improvements. Swanson-McGraw, Inc., 705 United Fruit Bldg., New Orleans, engrs.; adv. E. N.-R. Oct. 25.

O., Cuyahoga Heights (Cleveland P. O.)—Oct. 29, by S. E. Clapp, village clk., at office of R. Hecker, village engr., 905 Leader-News Bldg., Cleveland, storm water and sanitary sewers and water mains in Grant Ave. from East 49th to East 65th Sts. Noted May 3.

Wis., Fond du Lac—Oct. 29, (extended date) by Bd. Pub. Wks. addition to sewage pumping station. Ejector let to Yeomans Bros. Co., 1433 Dayton St., Chicago, $1,255. Noted.

Wis., Milwaukee — Nov. 2, by J. H. Fowles, secy. Sewerage Com., 508 Market St., East High Level Sewer, Sect. 2, in Cambridge Ave. from Brady to Concord Sts., 10,108 lin.ft. 30-84 in. concrete sewer, 1,156 lin.ft. 18-24 in. terra cotta pipe. $645,000. T. C. Hatton, c/o owner, engr.

Tex., Clarksville—Oct. 29, by P. Wilson, mayor, Imhoff tanks, mains, disposal plant, etc. $40,000. Koch & Fowler, Central State Bank Bldg., Dallas, engrs.

Calif., Burbank—City Trustees receiving bids 8,235 lin. ft. 8 in., 8,775 lin. ft. 10 in., 6,850 lin. ft. 12 in., 2,050 lin. ft. 18 in., 3,825 lin. ft. 21 in. and 138,600 lin. ft. 6 in. vitr. or concrete pipe.

Calif., Fresno—City Council taking bids sewers in Monterey St. between H and G Sts., 2,056 ft. 18 in., 1,033 ft. 15 in., 1,200 ft. 12 in., 1,907 ft. 10 in. and 801 ft. 8 in. vitr. pipe, etc. W. Stranahan, city engr. Noted Oct. 11.

Calif., Hollister—Nov. 5, by City Trustees, sewage disposal plant. To exceed $30,000. C. F. Smith, 516 Santa Barbara Rd., Berkeley, engr.

BIDS RECEIVED

N. Y., Albany—For 1,150 ft. 20 in. tile sewer in Main Ave., from E. H. Welles, Albany, $26,812; grading and laying 890 ft. 20 in. tile sewer in Benson St., from E. B. Stevenson, Albany, $25,384. Engrs. est. $30,000 each.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Oct. 17, sewers in (1) East 8th St. (2) East 82nd St. (3) East 27th St. (4) East 8th St. (5) West 6th St. (6) 87th St. (7) 86th St., from S. Ambrosio, 1016 60th St., (1) 92⅞ engrs. est. ($8,462) (7) 92⅞ ($1,008); M. Tozzi, 1362 63rd St., (2) 83.95⅞ ($8,215) (6) 94.25⅞ ($3,241); F. Merindo Co., 540 17th St., (3) 87⅞ ($6,408); B. Peconi & Son, (4) 88⅞ ($5,053); Nazzaro & Querriero, (5) 87⅞ ($5,010). Noted Oct. 11.

N. J., Morris Plains—B. G. Lewis, comr. Institutions & Agencies, State House, Trenton, disposal plant, 152 x 200 ft. concrete tank, 4 sand filters, brick house, etc., from Gray Constr. Co., Franklin St., Morristown, $81,000. Noted Oct. 11.

Md., Baltimore — Bd. Awards, sewers listed in Storm Water Contr. 61 and in Sanitary Contr. 206, from D. C. McAleer, Phoenix Bldg., $49,928 and $59,724 respectively.

CONTRACTS AWARDED

Md., Baltimore — Constructing storm water drains and sanitary sewers in Bellwood Ave. near Belair Rd., Storm Water Contr. 64, 900 ft. 6-9 ft. rein.-con. drain and 700 ft. of 18 in. sanitary sewer, etc., to Ryan Constr. Co., Real Estate Trust Bldg., Phila., $33,482. Noted Oct. 11.

Miss., Crystal Springs—Concrete storm sewers, to McEachim & McEachim, Little Rock, Ark. $30,000. Noted Aug. 23.

O., Cleveland—Segmental block sewers in Ridge Rd. (Sects. 1-7), to Winterbottom & Connelly, 1815 Corning Ave., $193,056. Noted Oct. 11.

O., Euclid—Disposal plant for Lake Shore Blvd., to F. B. Stein, Euclid, $190,616. Noted Oct. 11.

Mich., Detroit—To Western Constr. Co., 1208 Ford Bldg., Lateral Sewer 3888 $8,990, Lateral 3949 $1,890, Lateral 4013 $8,990, Lateral 4016 $5,190, Lateral 4020 $1,626; to G. Ponterelli, Wolverine Hotel, Lateral 4010 $18,892, Lateral 4017 $25,078; to P. Coppello, Detroit, Lateral 4014 $535; to A. Rossi, 1337 Brady St., Lateral 4015 $599; to F. Mangilavore, Detroit, Lateral 4018 $16,459; to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., Lateral 4019 $2,300; to W. Blanck Co., 827 Ford Bldg., Lateral 4021 $3,383; to Detroit Drainage Constr. Co., 400 Penobscot Bldg., Lateral 3885 $13,070.

Mich., Springwells—To T. D. Nolan, 22 Highland Ave., Highland Park, (Detroit P. O.) 7,290 ft. 12-27 in. vitr. crock sewer in Special Assessment Dist. 23, $14,900; to S. Healy, 400 Penobscot Bldg., Detroit, 2,464 ft. 36-72 in. concrete sewer in Sect. 39, Ford Rd. Sewer, $34,889, 2,470 ft. 36-66 in. concrete sewer in Sect. 40, Donald Ave. Sewer, $34,889. Noted Oct. 18.

Minn., Tracy—Sewerage system repairs, extensions, reconstruction installing septic tank, to T. Jensen, Tracy, $25,000. Noted Sept. 27.

Kan., Hiawatha—For 1,952 ft. 10-12 in. vitr. and 240 ft. 10 in. c.i. pipe, Imhoff tank, sand and sludge filters, etc., to Warren Constr. Co., Hiawatha, $20,977. Noted Oct. 4.

Tex., Stamford—For ½ m.g. plant, and Imhoff tanks, to McAman Constr. Co., Stamford, $31,500. Engrs. est. $35,000.

Calif., San Jose—Sewers in 26th St. between McKee Rd. and San Antonio St., etc., to A. J. Raisch, 46 Kearny St., San Francisco, 525 ft. 18 in. pipe at $2, 1,009 ft. 20 in. $2.20, 1,845 ft. 24 in. $3.20, 1,367 ft. 27 in. $5, etc.

Waste Disposal

PROPOSED WORK

Wis., Kenosha—See "Miscellaneous."

CONTRACT AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., construction and completion building and runway, furnaces, appurtenances, and chimney of Bergen Landing Destructor, 4th Ward, to Hudson City Eng. & Constr. Corp., 25 Hunterspoint Ave., $289,000. Noted Sept. 13.

Bridges

PROPOSED WORK

N. Y., New York—Bd. Estimate appropriated $100,000 reinforcing roadway stringers and buckle plates on Queensboro Bridge.

Alabama—State Hy. Dept., Montgomery, rejected bids constructing bridges on road from Lineville to Clebourne Co. line, Federal Aid Project 136, Clay Co. W. S. Keller, state highway engr. Noted Sept. 20.

Alabama — State of Alabama (Montgomery) and Georgia (Atlanta) plan concrete bridge, Federal Aid Project 373, Barbour Co. $152,750.

Kentucky—State Hy. Dept., Frankfort, having plans prepared 100 ft. span, steel and concrete bridge, over Georgas River, Lawrence Co. J. S. Boggs, state highway engr.

Ohio—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans one 150 ft. and two 100 ft. steel truss, forty-four 18 ft. 9 in., six 16 ft. 6 in. and one 40 ft. I-beam, also two 12 ft. 6 in. rein.-con. slab spans, over Little River Diversion Channel, Cape Girardeau Co. B. H. Piepmeier, state highway engr.

Calif., Stockton — Having preliminary plans prepared concrete bridge or wood bridge, over Mormon Slough. $36,000 and $10,000 respectively. W. B. Hogan, city engr.

BIDS DESIRED

New Jersey—Oct. 29, by State Hy. Dept., Trenton, concrete encased plate girder bridge with concrete abutments of one 69 ft. 8 in. span for 30 ft. roadway and two 8 ft. extensions incl. rein.-con. approaches, temporary bridge, excavation of new channel and removing existing bridge over Bound Brook, M. P. 40.2, State Highway Route 9, Sect. 10, Middlesex Boro, Middlesex Co.; for 15 ft. widening of seven 85 ft. arch, two 65 deck plate girder and one 60 ft. bascule spans, incl. foundations, changes to approaches for distance of 140 ft. on west side and 550 ft., on east side incl. paving, curbing, walks, retaining walls, etc. over Raritan River, M. P. 31.4, Route 1, Sect. 13, in municipalities of New Brunswick and Highland Park, Middlesex Co. J. L. Vogel, 772 Broad St., Newark, bridge engr.

New Jersey—Nov. 9, by State Hy. Dept., Trenton, single leaf overhead counterweight bascule highway span, and temporary bridge over Cedar Bonnet, Manahawken Bay, in municipality of Stafford, Ocean Co.; double leaf bascule highway span, etc., over Inland Waterway Canal, State Highway Route 4, Sect. 21, in Boro of Point Pleasant, Ocean Co. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 25.

Georgia—Nov. 2, by State Hy. Dept., East Point, 2 bridges on Chattanooga-Trenton Rd., Federal Aid Project 31, Dade Co., 333.6 cu.yd. concrete 39,860 lb. reinforcing steel, etc. W. S. Dennis, Rome, engr.

Florida — Nov. 6, by State Rd. Dept., Tallahassee, constructing approach embankments to Seminole Bridge, 1,500 ft. long, Project 526, on Rd. 15, Pinellas Co.; bridge across Kissimmee River, on Rd. 8, Project 582, Highlands and Okeechobee Counties. J. L. Cresap, acting state highway engr.; adv. E. N.-R. Oct. 25.

Fla., Jacksonville—Nov. 12, by Comrs. Duval Co., bridge over McGirts Creek, near here. F. Brown, clk.; adv. E. N.-R. Oct. 25.

Fla., Jacksonville—Nov. 12, by Comrs. Duval Co., bridge over Trout Creek, near here. S. Brown, clk.; adv. E. N.-R. Oct. 25.

Alabama—Nov. 11, by State Hy. Comn., Montgomery, 275 ft. concrete bridge, to have nine 28 ft. spans, on road from Phil Campbell to Russellville, Federal Aid Project 136, Sect. A, Franklin Co. W. S. Keller, state highway engr.

Tex., Kountze—See "Streets and Roads."

BIDS RECEIVED

New Jersey—State Hy. Comn., Trenton, Oct. 15, 3 ft. 6 in. rein.-con. pipe culvert

Bridges (Continued)

and removing part of existing bridge at M. P. 3.9 Route 13, Sect. 6, and 52 ft. span arch bridge, over Shipetaukin Creek, M. P. 5.7, Route 13, Sect. 6, both Lawrence Twp., also 20 ft. concrete encased I-beam bridge and removing part of existing bridge at overflow to Stony Brook, M. P. 7.9, Route 13, Sect. 6, Princeton Twp., Mercer Co., from L. J. Sieling, Broad St., Red Bank, $41,700; one 50 ft. and one 32 ft. concrete encased bridges over Shabbacong Creek, Route 13, Sect. 5, Princeton Pike, Mercer Co., from Grant & Driver, 56 McKinley Ave., Trenton, $31,982. Noted Oct. 4.

Ohio—See "Streets and Roads."

Ohio — Dept. Highways and Pub. Wks., Columbus, Oct. 16, concrete viaduct on 0.17 mi. Sects. "L and M" Mansfield-Galion Rd., Richland Co., from Galion Constr. Co., Galion, $38,535; bridge and approaches, on 0.127 mi. Hamilton-Eaton Rd., Butler Co., from C. Beatty, Middletown, $25,965; approaches on Sect. "A" Ripley-Hillsboro Rd., Brown Co., also bridge on above road, from F. Tejan, 1536 East 3rd St., Dayton $3,023 each; bridge on Sect. "E" Logan-Lancaster Rd., Hocking Co., from Nealon Bros., Columbus, $7,978; bridge on Sect. "B" Pomeroy-Jackson Rd., Meigs Co., from Ebersbach Co., Pomeroy, $9,337; bridge on Sect. "F" Ohio River Rd., Monroe Co., also bridge over Big Still Water Creek, on Sects. "E and G" New Philadelphia-Uhrichsville Rd., Tuscarawas Co., from B. C. Patterson, Van Atta, $10,574 and $24,750 respectively; bridge over Sugar Creek on Sect. "K" Wooster-Canal-Dover Rd., Tuscarawas Co., from Capital Constr. Co., Columbus, $16,181; concrete bridge on Sect. "C" Zanesville-McConnellsville Rd., Muskingum Co., from E. L. Paul, Zanesville, $7,301; concrete beam bridge, on Sect. "E" New Philadelphia-Uhrichsville Rd., Tuscarawas Co., from H. C. Snyder, New Philadelphia, $24,796. Noted Oct. 4.

Calif., San Francisco — City and San Francisco Co., sub-structure for bridge across Dumbarton Straits, Hetch Hetchy Project, to carry water pipes on series of steel truss spans for part of distance and laying pipe as submerged lines in trenches in bottom of San Francisco Bay for remainder of distance, will include 36 truss spans, each 105 ft. long, on concrete piers, depth of water maximum 25 ft., from Healy-Tibbitts Constr. Co., 64 Pine St., $1,192,484. Noted Sept. 6.

CONTRACTS AWARDED

Pa., Wilkes-Barre — Controller Luzerne Co., Court House, rebuilding bridge over Susquehanna River, to Standard Erg. & Constr. Co., Toledo, O., $161,438. Noted Sept. 27.

Ill., Chicago—Illinois Central R.R., 135 East 11th Pl., concrete approach and 27 caissons at 40th St., to Mid-City Eng. Corp., 104 North Franklin St., $115,000 and $85,000, respectively.

S. D., Wheeler—State Hy. Comn., Pierre, highway bridge over Missouri River, near here, six 256 ft. steel spans with two 65 ft. approach spans, to Kansas Cty Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., 785.2 cu.yd. concrete floor $30, 108,988 lb. steel tubes $0.10, 263,154 lb. steel piling $0.08, 3,180.5 cu.yd. concrete $28, etc., total $370,000. Noted Sept. 20.

Ont., Preston—City, concrete and steel bridge, to Webster & Tory, Galt, $60,000.

Dams

PROPOSED WORK

N. Y., Shushan—State had surveys made for dam, to create lake 7 mi. long, in Battenkill River, for regulating water in Hudson and furnishing hydro-electric power development, 1 mi. north of here. H. L. Cooper, 101 Park Ave., New York City, engr. Noted July 19.

Mich., Marquette—City plans rein.-con. and steel dam and penstock on Dead River for power plant. $50,000. Orbison & Orbison, engrs., 812 College Ave., Appleton, do not expect to have specifications prepared before Jan. 1. Noted Jan. 27.

Calif., Los Angeles — Supervs. Los Angeles Co. appropriated $50,000 for exploration of site for proposed dam at forks of San Gabriel River. Tentative plans prepared for dam 450 ft. high, 1,400 ft. long at top, to impound flood waters of San Gabriel River for entire San Gabriel Valley. Total cost $20,000,000. If location is found feasible for dam the county will be asked to vote bonds.

BIDS DESIRED

Calif., Merced—Dirs. Merced Irrigation Dist., takes receiving bids and opens same about Nov. 8, constructing Exchequer Dam, (1) dam of 280,000 cu.yd. of concrete or more (2) dam of less than 280,000 cu.yd. but more than 240,000 (3) dam less than 240,000 cu.yd. but more than 200,000 (4) dam less than 200,000 cu.yd. but more than 160,000 (5) dam less than 160,000 cu. yd. but more than 140,000. Starr, Thebo, Anderton, Sharon Bldg., San Francisco, engrs. Decision to construct by day labor abandoned. Noted Aug. 23.

Quebec—Provincial Government, Quebec, damming Metis River for development of water power in Matane, Rimouski, Matapedia, Gaspe and Bonaventure Counties, to Newton Dalsin Constr. Co., 10 Cathcart St., Montreal, $109,558. Noted Oct. 11.

Railways

PROPOSED WORK

California—Orange Co. Harbor Comrs., Santa Ana, plan to vote on $50,000 bonds for belt line railroad at Newport Beach harbor.

California—Pacific Distributing Co., 85 2nd St., San Francisco having plans prepared 8 mi. narrow gauge railroad between Soda Lake and Tremblor Grade. W. B. Burch, San Luis Obispo, consult. engr.

CONTRACTS AWARDED

California—City and San Francisco Co. furnishing and delivering track materials for municipal railway to United States Steel Products Co., Rialto Bldg., $43,429.

Excavation, Drainage, Irrigation

PROPOSED WORK

Wis., Madison—See "Streets and Roads."

Ia., Emmetsburg—Oct. 30, by Supervs. Palo Alto Co., improvements in D.D. 147, incl. 6,100 ft. main ditch, 20-36 in. tile, and 7,900 ft. laterals, 8-24 in. tile, etc. W. T. Krieger, aud. G. R. Campbell, engr.

Calif., Newport Beach—Orange Co. Harbor Comrs., Santa Ana, plan to vote on $150,000 bonds to dredge entrance of Newport Beach harbor to 30 ft.; $400,000 bonds deepening east jetty of Newport Beach to 30 ft.; $200,000 bonds extending and reinforcing west jetty of Newport Beach.

BIDS DESIRED

Wis., Milwaukee—See "Industrial Works under Proposed Work."

Nev., Lovelock—Nov. 9 (extended date) by J. B. Daniel, secy., Lovelock Valley D. D. 1, drainage canals, 336,495 cu.yd. excav., etc., adv. E. N.-R. Oct. 25.

BIDS RECEIVED

Calif., Byron — Byron-Bethany Irrigation Dist., concrete lining (a) 6,852 ft. ditch with 2½ in. lining (b) 1,800 lin.ft. ditch with 3 in. lining, from J. Kristich, Knightsen, (a) $0.1433 (b) $0.145; J. S. Graves, Sacramento, (a) $0.125 (b) $0.125 (informal bid). Noted Oct. 4.

CONTRACTS AWARDED

Wis., Elkhorn—Walworth Drainage Bd., tile and open ditch drainage, to Wisconsin Drainage Co., Elkhorn, $30,799. Noted Sept. 20.

Ia., Mason City—Cerro Gordo Co., for Joint D. D. 95, Cerro Gordo Co., and 67, Worth Co., main section 13,650 lin.ft. 7-36 in. tile, Sect. 2, 20,850 lin.ft. 6-24 in. tile, Sect. 3, 23,400 lin.ft. 6-20 in. tile, to W. W. Codner Parkersburg, $28,267. Noted Sept. 27.

Minn., Windom — Cottonwood Co., construction Judicial Ditch 2, tile material to Minnesota Pine & Tile Co., Mankato, $23,000; labor to M. Sorenson, Windom, $16,692.

Mont., Hamilton—Bitter Root Irrigation Dist., repairs and reconstruction work on irrigation system, incl. canal excav., concrete work, timber flume and steel work, near here, to A. W. Quist, Hoge Bldg., Seattle, Wash., $274,326. Noted Sept. 20.

Calif., Byron—Byron-Bethany Irrigation Dist., furnishing and installing centrifugal pump, 9 sec.ft. capacity, 15 ft. head, 12 in. discharge, to Byron-Jackson Iron Wks., Sharon Bldg., San Francisco, $3,561; 12,618 lin.ft. ditches, portion to E. T. Hansen, Byron, $0.20 per cu.yd., and portion to G. Morgan, Byron, $0.20; furnishing and laying 6,124 ft. 12-42 in. rein.-con. pipe, to J. Kristich, Knightsen, $10,705. Noted Oct. 4.

Streets and Roads

PROPOSED WORK

Conn., Hartford—Plans widening Capitol Ave. from Main to Trinity Sts. $[illegible],000. R. N. Clark, city engr.

Virginia — State Hy. Dept., Richmond, plans grading 23.01 mi. Project 302, Roanoke and Franklin Counties, $153,120.

Va., Norfolk—Will issue $1,[illegible],000 bonds for street work, drainage and sewers.

N. C., Greensboro—See "Waterworks."

Georgia—State Hy. Dept., Atlanta, plans asphalt macadam surfacing 4.74 mi. Project 371, Cobb Co., $122,074; plain concrete surfacing 0.6 mi. Project 362, Richmond Co., $19,250; pebble surfacing 12.41 mi. Project 375, Mitchell Co., $45,390; topsoiling 5.7 mi. Project 372, Elber Co., $67,753.

Fla., Center Hill — Election Nov. 12, to vote on $66,000 bonds paving various streets.

Fla., Frostproof — Election Nov. 12, to vote on $26,000 bonds paving 7,400 sq.yd. Palm and F Sts.; $25,000 8,000 sq.yd. 9th St.; $30,000 9,900 sq.yd. 3rd, 6th and 11th Sts.; $26,000 8,000 sq.yd. H St.; $40,000 1,800 sq.yd. Reedy Blvd.; $26,000 8,100 sq. yd. Orange and B Sts.; $26,000 8,500 sq.yd. Clinch Blvd.; $33,000 11,000 sq.yd. Wall and Clinch Sts.; $50,000 23,000 sq.yd. Scenic Highway; $25,000 9,000 lin.ft. concrete curbing and guttering and storm drains in various streets. C. G. Benson, Frostproof, engr.

Fla., Homestead—Sold $25,500 bonds constructing concrete sdewalks.

Alabama—State Hy. Dept., Montgomery, rejected bids improving 14.293 mi. road from Lineville to Cleburne Co. line, Federal Aid Project 136, Clay Co. W. S. Keller, state highway engr. Noted Sept. 20.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, having surveys made 11 mi. highway from Davidson Co. to Dickson Co. Lines, Cheatham Co. J. G. Creveling, highway comr.

Tenn., Columbia—Maury Co. election Nov. 15, to vote on $492,000 bonds approximately 190 mi. highway system, probably limestone macadam and gravel. Wilkes, Court House, co. engr.

Kentucky—State Hy. Dept., Frankfort, plans constructing and surfacing 10.16 mi. Scottsville-Glasgow Rd., 18 ft., Allen Co.; grading 2.26 mi. Jenkins-Virginia State Line, State Project 6, Sect. B, Letcher Co., 24 to 28 ft., J. S. Boggs, state highway engr.

Kentucky—State Hy. Dept., Frankfort, plans constructing and surfacing 17.082 mi. Owenton-Georgetown Rd., 14 ft., State Project 49, Sect. A, Owen Co. J. S. Boggs, state highway engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened Oct. 16, grading, bridging and paving 2.392 mi. Sect. "S-2" Ashland-Medina Rd., Medina Co., also grading 4.773 mi. roads in Williams Co. Noted Oct. 4.

O., Akron—Plans extending ¾ mi. South Portage Path, 50 ft., $50,000-$60,000; grading, laying sidewalks and paving ½ mi. Bates St., 40 ft., $32,500. E. A. Kemmler, City Bldg., engr.

O., Lisbon—Columbiana Co., State, and Townships plan paving 3 mi. Rogers-Middleton Rd., 16 ft., bituminous macadam $92,000, concrete $100,000, or macadam $100,000. L. C. Kirk, Court House, engr.

Indiana—State Hy. Dept., Indianapolis, plans paving 4.6 mi. road in Sullivan Co., brick and bituminous macadam, Project 64, $92,838. J. D. Williams, dir. State Hy. Comn.

Ill., East St. Louis—Soon takes bids asphalt resurfacing 8 blocks 10th St., and rein.-con. paving 2 blocks McCasland Ave., both 30 ft., $32,280 and $11,587 respectively. Noted July 26.

Ill., East St. Louis—St. Clair Co., Belleville, had preliminary plans prepared 700 ft. rein.-con. subway to carry National Old Trails Rd. (North 9th St.), under Pennsylvania R.R., here, will have two 20 ft. roadways and two 5 ft. sidewalks. $480,000-$500,000. Railroad will be called upon to pay major portion of cost. D. O. Thomas, Belleville, engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading 10 mi. Federal Aid Project 82, Sect. B, Washtenaw Co. F. F. Rogers, State comr.

Wis., Madison—Plans to extend University Ave. to Capitol Sq., 30 ft., probably concrete or asphalt. $500,000. H. C. Buser, city clk. Engineer not selected.

Ia., New Hampton—Making plans 40,000 sq.yd. paving $125,000. C. L. Pillsbury Co., 1200 2nd Ave., S. Minneapolis, Minn., engrs.

Streets and Roads (Continued)

Missouri — State Hy. Dept., Jefferson City, plans grading 3.856 mi., Federal Aid Project 228, Route 2, Sect. A, 34 ft., Lafayette Co. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 3.9 mi. Sect B, and 4,204 mi. Sect. D, Route 2, Federal Aid Project 228, 34 ft., Lafayette Co. B. H. Piepmeier, state highway engr.

Mo., New Franklin—Oct. 30, to vote on $30,000 bonds grading, macadamizing or otherwise improving Bway., Missouri, Howard, Pearl and Union Aves. C. E. Smith & Co., Ry. Exch., St. Louis, engrs.

Tex., Amarillo—Potter Co. making plans grading and gravel surfacing 6 mi. D. C. D. Highway, 18 ft. $75,000. O. A. Seward, co. engr.

Tex., Beaumont—Plans surfacing Emma, Magnolia, Victoria Sts., etc., rock asphalt on shell and concrete. To exceed $25,000. R. M. Fulweiler, city engr.

Tex., Benjamin—Knox Co. plans $300,000 bond issue hard surfacing 62 mi. various roads chiefly between Brazos and Little Wichita River. N. S. Kilgore, Benjamin, co. judge. Engineer not announced.

Tex., Brady—McCulloch Co. making plans grading, gravel surfacing and bridging 4.7 mi. road from San Saba River to Mason Co. line, 16 ft. $47,000. E. A. Burrows, co. engr.

Tex., Dallas — Plans drives, walks and landscape architecture in Oakland Cemetery. $80,000. Address W. H. Wray, 2607 Forest Ave. Engineer not announced.

Tex., Dallas—See "Miscellaneous."

Tex., Ft. Worth—Hammond & Hammond, F. & M. Bldg., having plans prepared paving, curbing and guttering new addition. $25,000. Baker & Von Zuben, Ellison Bldg., engrs.

Tex., Galveston — Had plans prepared rock asphalt or other bituminous paving Ave. J, from F to 25th Sts. To exceed $25,000. C. A. Holt, Jr., city engr.

Tex., Georgetown—Williamson Co. making plans grading and gravel surfacing 11.35 mi. Taylor-Thorndale Rd., 16 ft. $105,820. R. A. Nichols, co. engr.

Tex., Greenville—Hunt Co. plans bituminous topping 11.14 mi. Dallas-Greenville Rd., 16 ft. $90,000. J. D. Metcalfe, engr. in charge. Construction of base now under way.

Tex., Jacksboro—Jack Co., election Nov. 10, to vote on $400,000 bonds, hard surfacing State Highways 25 and 39. J. C. Newcomb, co. judge. Engineer not announced.

Tex., Jasper—Jasper Co. soon takes bids gravel surfacing 16.22 mi. State Highway 7, 16 ft. $92,000. C. P. Hunter, co. engr.

Tex., Navasota—Grimes Co. election Nov. 10, to vote on $450,000 bonds, constructing Austin Huntsville Rd. and miscellaneous hard surface roads. R. M. West, co. judge. Engineer not announced.

Tex., New Boston—Bowie Co. soon takes bids grading, gravel surfacing and 1 in. bituminous topping 3.63 mi. State Highway 5, 16 ft. $56,000. F. E. Hess, Medical Arts Bldg., Dallas, engr. Noted Sept. 27.

Tex., Van Zandt—Van Zandt Co. making preliminary plans, grading and 6 in. concrete paving 7.5 mi. State Highway 15, 9 ft. $120,000. H. R. McClure, Canton, engr.

Okla., Muskogee—Plans grading and paving 15 blocks Bway., Cherry, Oklahoma and 24th Sts., 13,850 sq.yd. asphalt, 3,200 sq.yd. concrete, 9,600 lin.ft. concrete curbing, 5,800 cu.yd. excav. $105,000. J. R. March, City Hall, engr.

Okla., Oklahoma City—Plans grading and paving 11 blocks 11th, 44th, 45th and F Sts., 11,500 sq.yd. asphalt, 6,600 lin.ft. concrete curbing, 6,600 lin.ft. concrete gutter, 4,000 cu.yd. excav. $40,000. B. M. Hait, City Hall, engr.

Okla., Shawnee—Plans grading and paving 5 blocks Chapman St. from Highland to Wallace St., 6,200 sq.yd. asphalt, 1,500 cu.yd. excav. $28,500. F. D. Brown, Shawnee, engr.

Okla., Wewoka—Plans grading and paving 18 blocks Walnut, Okfaskey and Mikosuey Sts., 32,000 sq.yd. vertical fibre brick, 14,000 lin.ft. curbing, 10,000 cu.yd. excav. $175,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ore., Portland—Plans widening Sandy Blvd., East Burnside and East Gluron Sts., $610,000. O. Laurgaard, city engr.

California—State Hy. Dept., Sacramento, lets concrete paving 1.39 mi. State Project 136, Ventura Co. $421,520. R. M. Morton, state highway engr.

Calif., Auburn—Rejected bids for asphalt or concrete paving approaches to various highways entering city. Noted Oct. 18.

Ontario—Provincial Government, Northern Development Branch, Toronto, plans 150 mi. gravel road from North Bay to Temiskaming and Cochrane. $500,000. C. H. C. Fullerton, Parliament Bldg., Toronto, engr.

Ont., Niagara Falls—Soon takes bids 12,000 sq.yd. asphalt pavement and 6,500 lin. ft. concrete curbs and gutters on Main St. $48,802. T. S. Scott, city engr.

Ont., Toronto—York Twp., 40 Jarvis St., soon takes bids 6 mi. concrete sidewalks, 4 ft. 6 in. to 6 ft. wide, on Wynevor and Scott Rds., Bicknell, Raymond, May, Hopewell, Wiley, Gamble, Glebemount, Rochdale, Sammon, Westlake and Pinewood Aves., $48,585, 2,100 sq.yd. asphalt pavement on Robina Ave. $12,150, 2,000 sq.yd. Winnett Ave. $10,360, 900 sq.yd. bituminous concrete on Hillholm Rd. $4,100. F. B. Goldike, twp. engr.

Calif., Los Angeles—Los Angeles Co. had plans prepared improving Slauson Ave, 15,365 cu.yd. excav., shaping 5,270 lin.ft. roadbed, 12,882 sq.yd. 6-8 in. concrete, etc. To exceed $30,000.

Calif., San Diego—Had plans prepared improving Renyard Way, State and Goldfinch Sts., 20,554 sq.yd. 2 in. asphaltic concrete on 4 in. concrete 2,152 lin. ft. concrete curbing, 2,048 sq.ft. concrete sidewalk. F. A. Rhodes, city engr.

Calif., Santa Barbara—Santa Barbara Co. plans election to vote on bonds (exceeding $100,000) for improving Harris-Lompoc Rd. Noted Oct. 11.

Calif., Stockton—Plans concrete paving, curbing and guttering Wilson St. between Main St. and Atchison, Topeka & Santa Fe tracks, $33,000; Wilson St. between Atchison, Topeka & Santa Fe tracks and Jefferson St. and between Jackson St. and Charter Way, $25,600. W. B. Hogan, city engr.

BIDS DESIRED

N. Y., Long Island City—Oct. 31, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on 101st (Jerome) Ave.; paving from 77th to 88th Sts. within railroad area with granite block on concrete, within city area sheet asphalt on concrete.

N. Y., New York—Oct. 30, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving West 49th St. and Tiemann Pl.; widening and repaving 56th and 60th Sts., sheet asphalt; 58th St. stoned filled sheet asphalt; repaving Dyckman St. granite block on concrete.

N. Y., New York—Nov. 1, by H. Bruckner, pres. Bronx Boro, Borough Hall, Tremont and 3rd Aves., grading, setting curb, laying sidewalks, etc., and paving with asphalt on concrete, roadway of Davidson Ave., grading for width of 30 ft. centrally located, building inlets, etc., in Colden Ave.; grading, setting curb, laying sidewalks, etc., in West 195th St.; sewers and appurtenances in 176th and 180th Sts., Montgomery, Popham and Davidson Aves.; furnishing 25,000 gal. bituminous road surfacing material.

N. Y., St. George — Oct. 30, by J. A. Lynch, pres. Richmond Boro, Borough Hall, grading, paving with bituminous macadam, constructing concrete curb, vitr. brick gutter, and 5 ft. concrete sidewalk, etc., on Forrest Ave.

S. C., Saluda — Oct. 30, by Saluda Co. Highway Comn., improving 10.1 mi. State Route 39, Federal Aid Project 214, 34,249 cu.yd. excav., 24,870 cu.yd. sand clay surfacing, etc., $29,800; 2.39 mi. State Route 12, Federal Aid Project 141 A, 11,214 cu.yd. excav., 5,896 cu.yd. sand clay surfacing, etc., $9,800.

Fla., Okeechobee — Nov. 5, by Comrs. Okeechobee Co., improving 5.61 mi. Opal Rd., 65,000 cu.yd. embankment, 70,000 cu. yd. excav., etc. $35,000.

Fla., Sebring—Nov. 6, by Highlands Co. Comn., 37,000 sq.yd. 6 in. rock base on Lake Annie-Parker Island Rd. $25,000. Peacock & Hood, Avon Park, engrs.

Alabama—Nov. 13, by State Hy. Dept., Montgomery, grading and surfacing 0.778 mi. Anniston-Camp McCullan Rd., Federal Aid Project 138, Calhoun Co., 9,128 sq.yd. cement concrete base, 8,719 sq.yd. 2 in. bituminous concrete surfacing, etc. $50,000.

Miss., New Albany—Nov. 6, by Highway Comrs. of Separate Rd. Dists. of Superv. Dists. 1, 2 and 3, hard surfacing about 20 mi. road incl., 10,298 cu.yd. common excav., 17,389 cu.yd. borrow, 28,100 cu.yd. gravel 1 mi. haul, 354,706 half mi. units gravel over haul, etc., also bids for furnishing gravel f.o.b. nearest unloading points. C. E. Downing, New Albany, engr.

Louisiana—Oct. 30, by State Hy. Comn., Baton Rouge, constructing 8 mi. Sect. A and 6 mi. Sect. B Winnsboro-Delhi Highway, Franklin Parish, State Project 336. J. M. Fourmy, state highway engr. Noted Oct. 18.

Louisiana—Nov. 6, by State Hy. Comn., Baton Rouge, constructing 5.72 mi. Oak Grove-Arkansas State Line Highway, State Project 48, Sects. A and B, West Carroll Parish. J. M. Tourmy, state highway engr.

Kentucky—Nov. 2, by State Hy. Dept. Frankfort, constructing and surfacing 10.09 mi. Newport-Falmouth Rd., State Project 21, Sect. A, Campbell and Pendleton Counties, 2.83 mi. Owingsville-Sharpsburg Rd., State Project 61, Sect. A, Bath Co., 3.16 mi. Newport-Falmouth Rd., State Project 21, Sect. B, Campbell Co., 12.6 mi. Winchester-Clay City Rd., State Project 4, Sect. A, Clark Co.; surfacing 723 ft. street in Somerset, State Project 22, Sect. C, Pulaski Co.; grading 6.34 mi. Covington-Falmouth Rd., State Project 62, Sect. C, Kenton Co. J. S. Boggs, state highway engr. Noted Oct. 11.

Indiana—Nov. 3, by Joint Bds. of White Co. (Monticello) and Benton Co. (Fowler) improving 36,799 ft. County Line Highway, $50,837. S. N. Geary, aud. Benton Co., and F. E. Vinson, aud. White Co.

Michigan—Nov. 5, by State Hy. Dept., Lansing, 54,394 sq.yd. gravel surfacing, 27,742 cu.yd. earth excav. on State Trunk Rd. 32-6, Montgomery Co. F. F. Rogers, state comr.

Michigan—Nov. 6, by State Hy. Dept., Lansing, grading and surfacing 3.034 mi. State Trunk Line Rd. 10-22, Alpena Co., 6,940 cu.yd. excav., 28,475 sq.yd. gravel. F. F. Rogers, state comr.

Wis., Beloit—Nov. 2, 13,500 sq.yd. gravel surfacing, 7,300 cu.yd. grading, 8,500 ft. concrete curb and gutter, on Merrill, Portland and Middle Sts. $25,000. G. E. Heebink, city engr.

Minnesota—Nov. 7, by State Hy. Dept., St. Paul, 7 mi. State Project 1-39, Div. B, Federal Aid Project 296, Steele Co., 116,000 cu.yd. excav.; 15 mi. State Project 3-34, Federal Aid Project 303, Houston Co., 300,000 cu.yd. excav., three 30 ft. beam span bridges, one 40 ft. truss and one 50 ft. truss; State Project 5-34, Federal Aid Project 92, Anoka Co., 126,000 cu.yd. concrete paving, 11,700 cu.yd. gravel surfacing; 17 mi. State Project 16-21, Federal Aid Project 314, Cottonwood Co., 338,000 cu.yd. excav. State Highway Dept., St. Paul, engrs.

Minn., Mendota—Nov. 6, by Auditor Hennepin Co. (Minneapolis) grading 3½ mi. approach to south end of proposed bridge over Minnesota River, here. $70,000. J. W. Shaffer, co. surv.

Tex., Amarillo—Nov. 3, by S. B. Matlow, judge Potter Co., grading and gravel surfacing 6.13 mi. Bushland Rd., State Highway 13, State Aid Project 430, 16 ft. O. A. Seward, co. engr.

Tex., Cameron—Nov. 6, by City Com., 50,000 sq.yd. 2 in. Uvalde rock asphalt on 8 in. gravel. $120,000. A. F. Mitchell, Cameron, engr.

Tex., Center—Nov. 6, by D. R. Taylor, judge Shelby Co., grading and paving with rein.-con. 3.08 mi. State Highways 8 and 22, State Aid Project 367 18 ft. $85,000. Titus & Dillon, Center, engrs.

Tex., Center—Nov. 6, by J. W. Shotwell, city secy., improving various streets, incl. 22,290 sq.yd. 1 or 2 course 6 in. concrete, etc. $75,000. Titus & Dillon, Center, engrs. Noted Aug. 16.

Tex., Clarksville—Nov. 7, by G. Morrison, judge Red River Co., grading and clay surfacing 5.95 mi. State Highway 37, Federal Aid Project 406, 24 ft. $28,246. J. B. Rieman, co. engr. Noted July 12.

Tex., Coleman—Nov. 14, by Comrs. Coleman Co., grading and gravel surfacing, etc. 4 mi. Colorado Rockwood Rd.; resurfacing with gravel 4 mi. Highway 7A; grading 2½ mi. Coleman Glen Cove Rd. Cost to exceed $75,000. W. E. Dickerson, Coleman, engr.

Tex., Dallas—Nov. 12, by Comrs. Dallas Co., grading, paving, etc., 12.7 mi. Richardson Pike, 18 ft., brick, bituminous or concrete. $600,000. Former bids rejected. Nagle, Witt & Rollins, Court House, co. engrs. Noted Aug. 23.

Tex., Ft. Worth—Oct. 30, by City Com., 7,080 sq.yd. bituminous or brick paving, 4,700 ft. curb and gutter, etc., on Virginia Pl., etc. $28,000. D. L. Lewis, city engr.

Tex., Houston—Taking bids paving West Alabama St., various types of bituminous. $25,000. J. C. McVea, city engr.

Tex., Kountze—Oct. 30, by F. F. Teel, judge Hardin Co., grading and gravel surfacing 11.2 mi. State Highway 40, Federal Aid Project 355 B, 16 ft., $102,000 4.43 mi. State Highway 8, Federal Aid Project 354 B, 16 ft., $49,360, 9.45 mi. State Highway

Streets and Roads (Continued)

8, Federal Aid Project 354 A, 16 ft., $89,127, grading gravel surfacing and bridging 1.31 mi. State Highway 8, State Aid Project 410, 16 ft., $52,800. G. C. Brown, co. engr. Noted Oct. 11.

Tex., Pharr — Taking bids bituminous paving, curbing and guttering 8 blocks Cage, Park, 3rd and 5th Sts. $25,000. P. S. Devine, Pharr, engr.

Okla., Oilton—Oct. 29, (extended date) by C. Patchin, city clk., grading and paving 8 blocks Main St., 14,175 sq.yd. concrete, 4,850 lin.ft. curbing, 3,250 cu.yd. excav. $65,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs. Noted Sept. 27.

Nevada—Nov. 7, by State Hy. Comn., Carson City, improving 3.25 mi. road from Lawtons to point 2 mi. east of Verdi, Washoe Co., 62,000 cu.yd. excav., 158,375 sta.yd. overhaul, etc.; grading and gravel surfacing 11.81 mi. road from Eastgate to east county line (Carroll Summit) Churchill Co. 133,100 cu.yd. excav., 25,753 sta.yd. overhaul, 6,400 cu.yd. loading and screening gravel, 9,100 yd. mi. hauling gravel and 6,400 cu.yd. spreading gravel, etc. G. W. Borden, state highway, engr.

Calif., Fresno—City Council taking bids improving McKinley Ave., 182,530 sq.ft. grading, 144,798 ft. asphalt, 12,958 lin.ft. gutter, 6,898 lin.ft. curb, 25,132 sq.ft. walks, etc. W. Stranahan, city engr. Noted Oct. 11.

Calif., Los Angeles—Oct. 29, by Bd. Pub. Wks., improving Denison Ave., 114,800 sq. ft. 5 in. concrete, 6,275 ft. curb, 36,081 sq.ft. walks, etc.

Calif., Oakland—Nov. 1, by City Council, improving 8th Ave. 119,520 sq.ft. grading, 110,744 sq.ft. 6 in. cement base with 2 in. Warrenite bitulithic surface, etc.; portions of 64th Ave., 10,800 sq.ft. grading, 9,562 ft. oil macadam pavement, etc.; Porter St., 6,107 sq.ft. grading, 3,370 sq. ft. oil macadam pavement, 1,353 sq.ft. concrete walks. W. W. Harmon, city engr.

Calif., Redwood City—Nov. 5, by Supervs. San Mateo Co. improving streets in Lomita Park, 16,000 cu.yd. excav., 542,900 sq.ft. 1½ in. warrenite bitulithic on 4 in. concrete, etc. G. A. Kneese, co. surv.

Calif., Riverside—Nov. 5, by Superv. Riverside Co., grading, curbing and paving Beaumont-Moreno Grade Rd. Project. A. C. Fulmor, co. surv. Noted Oct. 4.

Calif., Stockton—Nov. 6, by Supervs. San Joaquin Co., improving 2½ mi. Kettleman Rd., 2,700 cu.yd. grading, 7,300 tons rock, 700 bbls. oil. F. E. Quail, co. surv.

BIDS RECEIVED

Rhode Island — State Bd. Pub. Wks., Providence, Oct. 17, paving 3.04 mi. Pontiac Rd., 18 ft., in Cranston and Warwick, also 3.09 mi. Cumberland-Wrentham Rd., 18 ft., in Woonsocket, bituminous macadam, penetration method, from D'Alora & McCarthy, Woonsocket, $87,860 and $95,653 respectively. Noted Oct. 4.

N. Y., Albany—See "Sewers."

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, Oct. 17, paving with permanent asphalt on concrete (1) Douglas St. (2) East 14th St. (3) East 19th St. (4) Suydam St. (5) West 27th St. (6) 46th St. (7) 77th St. (8) 77th St. (9) 83rd St.; grading, curbing annd flagging (10) East 19th St.; regrading and paving with permanent asphalt on concrete (11) Kingston Ave.; grading, curbing, flagging and constructing steps on (12) Warehouse Ave., etc., from Uvalde Asphalt Paving Co., 1 Bway., New York, (1) $7,462 (4) $5,997 (11) $18,696; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (2) $8,161 (3) $10,913 (5) $9,883; G. M. Mandatto, 129 29th St., (10) $3,435; Cranford Co., 52 9th St., (6) $5,681 (7) $18,977 (8) $9,602 (9) $8,971. Noted Oct. 11.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Oct. 22, concrete sidewalks on Curtis Ave. from Arco Constr. Co., 31 Nassau St., New York, $4,844; concrete repaving Center and Moore Sts., from J. Johnson Sons, 455 Bway., West New Brighton, $21,598; grading Shaughnessy Lane, from J. Kelly, 1150 Forest Ave., West New Brighton, $6,731. Noted Oct. 18.

New Jersey—State Hy. Dept., Trenton, Oct. 22, paving Route 8, Sect. 2, Montclair to Verona, Essex Co., 3,960 sq.yd. rein.-con. and 310 sq.yd. sheet asphalt, from F. Cannova, Lodi, 87% engrs. est. ($36,886). Noted Oct. 4.

Pa., Phila. — Dept. Pub. Wks., asphalt paving (1) Bigler, Sydenham and 16th Sts. (2) Columbia St. (3) Pratt St. (4) 17th St.; granite block paving (5) 49th St. bridge; furnishing (6) central mixed concrete (7) 30,000 vitr. paving blocks (8) ten thousand five hundred 4 x 4 in. and eleven thousand 3 x 4 in. wood blocks from Barber Asphalt Co, 239 North 30th St., (1) $12,272; Eastern Paving Co., 401 Colonial Trust Bldg., (2) $6,831 (3) $4,459 (4) $4,537; Acchione Caruso Paving Co., 804 South Broad St., (5) $13,179; West Jersey Sand and Supply Co., Delaware Ave. and Marlborough St., (6) $3,200; J. S. E. Pardee, Head Bldg., (7) $1,455; J. Meehan & Son, 916 West Dakota St., (8) $89 and $71 respectively. Noted Oct. 11.

Md., Baltimore — Bd. Awards, Oct. 17, grading, curbing and paving on concrete base streets in Contr. 245-OCOANA, 3,290 sq.yd. vitr. brick, 14,760 cu.yd. grading, etc., from D. C. McAleer, Phoenix Bldg., $68,390; paving streets in Contr. 246-OANA, 22,170 sq.yd. asphalt, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $96,284. Noted Oct. 11.

Louisiana — State Hy. Comn., Baton Rouge, Oct. 11, constructing 11.57 mi. Winnfield-Colfax Highway in Union Parish, Federal Aid Project 139A, alternates (1), (2) and (3), from F. D. Harvey, 688 South Bellevue St., Memphis, Tenn., (1) $72,007 (2) $65,486 (3) $68,371; constructing 7.12 mi. Winnfield-Colfax Highway, Winn Parish, Federal Aid Project 139B, combinations (1), (2) and (3), from Grant Parish Constr. Co., Colfax, (1) $53,614 (2) $51,843 (3) $52,751. Noted Sept. 27.

Louisiana—State Hy. Comn., Baton Rouge, Oct. 11, constructing 4.98 mi. Bossier-Doyline-Minden Highway, Webster Co., Project 381, from W. D. Frasier, Minden, combination (1) $12,944, (2) $12,686, furnishing 5,165 cu.yd. washed gravel for surfacing from Louisiana Sand and Gravel Co., Monroe, $2.18; Arcadia-Shreveport Highway, State Project 82-C from Blodgett Constr. Co., Shreveport, 152.92 yd. concrete $37.50, 83.34 yd. concrete $30, 30,387 lb. steel $0.065, 50,000 lb. fabricating steel $0.0925; Ruston-Arcadia Highway, Lincoln Co., Federal Aid Project 110-A-1, from Blodgett Constr. Co., Shreveport, 234.84 yd. concrete $36.50, 38,897 lb. steel $0.065. Noted Sept. 27.

Ohio — Dept. Highways and Pub. Wks., Columbus, Oct. 16, grading, bridging and paving (1) 4.856 mi. Sect. "E" Cincnnati-West Union Rd., Adams Co. (2) 1.092 mi. Sect. "H" Lima-Delphos Rd., Allen Co. (3) 2.897 mi. Sect. "E-1" Lima-Bellefontaine Rd., Allen Co. (4) 5.099 mi. Sects. "M-2" and part of "N" Niles-Ashtabula Rd., Ashtabula Co. (5) 9.889 mi. of Sects. "N, O, P, Q and R," Niles-Ashtabula Rd., Ashtabula Co. (6) 3.463 mi. Sect. "J-1" Twinsburg-Elyria Rd., Cuyahoga Co. (7) 1.827 mi. Sect."J-2" Twinsburg-Elyria Rd., Cuyahoga Co. (8) 4.087 mi. Sect. "O-1" Columbus-Lancaster Rd., Fairfield Co. (9) 1.279 mi. Sect. "G" Springfield-Xenia Rd., Greene Co. (10) 3.134 mi. Sect. "D" Steubenville-Hammondsville Rd., Jefferson Co. (11) 1.6 mi. Sect. "E-1" Medina-Norwalk Rd., Lorain Co. (12) 6.76 mi. Sects. "A, B and Plymouth" Shelby-Plymouth Rd., Richland Co. (13) 2.632 mi. Sect. "T" Niles-Ashtabula Rd., Trumbull Co. (14) 3.249 mi. Sect. "L" New Philadelphia-West Lafayette Rd., Tuscarawas Co. (15) 1.184 mi. Sect. "C" Stryker-Evansport Rd., Williams Co. (16) 2.58 mi. Sect. "D" Stryker-Evansport Rd., Williams Co., grading (17) 4.008 mi. Sect. "C-2" Celina-Van Wert Rd., Mercer Co., with (a) waterbound macadam (b) bituminous macadam, asphalt (c) bituminous macadam, tar (d) Kentucky rock asphalt (e) rein.-con. (f) plain concrete (g) brick (h) asphaltic macadam (i) waterbound macadam and Kentucky rock asphalt (j) waterbound macadam and bituminous concrete (k) bituminous concrete (l) tar macadam, from J. O. Petrie, Logan, (1a) $102,696; L. L. Clymer, Bluffton, (2b) $16,148 (2d) $17,186 (3d) $60,260; . B. Walther, Lima, (2c) $18,751; R. Stone, Lima, (3b) $53,018 (3c) $54,365 (10b) $66,704 (10e) $68,176 (15h) $26,143 (15l) $26,715; Hill & Hill, Elyria, (4e) .$157,617; Seiple & Wolfe, Youngstown, (4b) $144,366; Mahoning Constr. Co., Warren, (4c) $147,869 (5b) $301,809 (5c) $303,368 (13b) $87,696 (13c) $87,696; Ohio Contg. Co., Cleveland, (5e) $329,813; D. Aller, Findlay, (6e) $164,254 (7e) $91,738 (8e) $135,543 (8f) $132,059; W. D. Winchell Co., 337 Winchell St., Columbus, (8g) $163,496 (13e) $98,597; Lewis & Copeland, Lima, (9e) $39,240; C. J. Uible, Hillsboro, (9b) $34,911 (9c) $35,153; Elyria Constr. Co., 220 Elyria Blk., Elyria, (11c) $45,222; Highway Constr. Co., 903 Lorain Co. Bldg., Elyria, (11h) $37,253; N. B. Putnam, Van Wert, (12i) $112,378; H. P. Streicher Co., 319 Terminal Bldg., Toledo, (12j) $121,310 (15k) $32,959 (16k) $66,386; G. Hadley, Goldberg Bldg., Canton, (14g) $153,480; C. G. Fuller, Dover, (14e) $117,763; Homes Constr. Co., Wooster, (14d) $117,866; A. Langendefer, Toledo, (15d) $32,001 (16d) $64,104 (16h) $52,548; Frost Constr. Co., Findlay, (15e) $34,714; Newell & Smith, Defiance, (16e) $66,729; Lynn Constr. Co., Paulding, (17) $18,881. Noted Oct. 1.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.148 mi. Federal Aid Project 57, Sect. D, Kent Co., 58,110 cu.yd. excav., 54,503 sq.yd. concrete, from Marsman & Tabor, 211 Ashton Bldg., Grand Rapids, $140,097; 9,509 mi. State Trunk Line Rd. 27-6, Huron Co., 88,753 sq.yd. gravel from Bad Axe Constr. Co., Bad Axe, $96,031, 99,086 sq.yd. concrete from Meredith & McVaugh, 220 Horton Ave., Detroit, $216,024. Noted Sept. 27.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.11 mi. State Trunk Line Rd. 51-6, Ottawa Co., 13,173 sq.yd. concrete, from Cook & Clark, Grand Haven, $28,527. Noted Oct. 11.

Tex., Barstow—Ward Co., grading and gravel surfacing 5.5 mi. State Highway 1, Federal Aid Project 391 A, 18 ft., from Valient and Toomey, 1703 F & M Bank Bldg., Ft. Worth, $43,435. Engrs. est. $45,184. Noted Sept. 20.

Tex., Hillsboro — Hill Co., grading and gravel surfacing 5.65 mi. State Highway 2-E, Itasca Dist., 16 ft., from Womack Constr. Co., Sherman, $31,753, 14,195 cu.yd. gravel to be furnished by county, engrs est. $66,000; 4.85 mi. State Highway 2-E, Covington Dist., 16 ft., from Buchanan & White, Temple, $28,409, 12,617 cu.yd. gravel to be furnished by county, engrs. est. $64,000. Both projects will be surfaced later with bituminous topping. Noted Sept. 20.

Arizona—State Hy. Dept., Phoenix, grading, surfacing, etc., (1) Tucson-Nogales Highway, Federal Aid Project 66 (2) Tucson-Nogales Highway, Federal Aid Project 75 (3) grading, surfacing, buildings, bridges, etc., on Tucson-Nogales Highway, Federal Aid Project 25-B, (4) structures adjacent to Federal Aid Project 66, from Shumway Constr. Co., Mesa, (1) $17,847 (2) $21,208; Lown & Woods, Nogales, (3) 15,637 cu.yd. borrow $0.20, 1,274 cu.yd. gravel surfacing $0.75, 1,418 cu.yd. excav. $0.90, 1,140 cu.yd. Class A concrete $9.95, etc., total $37,090 (4) $3,029.

Wash., Seattle — Grading and paving Avalon Way et al., from Olympic Constr. Co., 1326 Northlake Ave., 4,812 lin.ft. asphaltic concrete curb $0.70, 24,490 lin.ft. concrete curb $0.50, 3,200 lin.ft. concrete sidewalk $1.50, 118,000 cu.yd. earth excav. $0.60 per cu.yd., 41,144 sq.yd. 7 in. concrete $2.20 per sq.yd., 17,490 sq.yd. 6 in. concrete $1.93 per sq.yd., total $315,321 for clay and $315,866 for concrete. Noted Oct. 4.

Calif., Glendale—Improving portions Winchester and 4th Sts., 4,156 lin. ft. grading, 125,787 sq.ft. 3 in. macadam, 3,482 ft. curb, 15,195 sq.ft. walks, 4,223 ft. of 4 in. c.i. waterpipe, from W. J. Curren, 379 West Patterson St., $25,150.

Calif., Riverside—Riverside Co. improving Elsinore-Corona Highway, 12,914 cu.yd. excav., shaping 15,624 lin.ft. road bed, 249,983 sq.ft. 5 in. macadam with asphalt surface, etc., from Hall-Johnson Co., P. O. Box 51, Inglewood, $37,197.

Que., Montreal—From Sicily Asphaltum Paving Co., 60 St. Viateur St., improving Delormier Ave., 5,700 ft. granite curb at $2.50 per ft., 15,000 sq.yd. grading $0.85, 15,000 sq.yd. concrete foundation $1.55, 15,000 sq.yd. 3 in. asphalt $1.50, etc., total $77,759, paving with 3 in. asphalt 7,300 sq.yd. 9th Ave., $38,000, 3,600 sq.yd. Chabot St., $15,563, 2,550 sq.yd. Cartier St., $11,520; from B. Brault, 2855 Rosemount Blvd., paving with 3 in. asphalt 5,000 sq.yd. Bordeaux St., $25,025; from Quinlan Robertson & Janin, Ltd., 50 Notre Dame St. W., improving Sherbrooke St. from Canadian Pacific R.R. to Maisonneuve limits, 6,862 lin.ft. granite curb straight $2.70, 1,764 lin. ft. granite curb circular $3.50, 24,316 sq.yd. grading $1.25, 12,316 sq.yd. concrete foundation $1.75, 12,000 sq.yd. rein.-con. foundation $2.25, 23,916 sq.yd. 3 in. asphalt $1.60, etc., total $145,365, Sherbrooke St. from Delormier Ave. to Wurtele St., 5,310 lin.ft. granite curb straight $2.70, 16,990 sq.yd. grading $1.75, 8,990 sq.yd. concrete foundation $1.75, 8,000 sq.yd. rein.-con. foundation $2.25, 16,650 sq.yd. 3 in. asphalt $1.60, etc., total $110,892; from Duranceau & Duranceau, 127 Hamilton St., 1,138 sq. yd. concrete sidewalks on St. Pascal St., $6,070; from Rondou Corlier & Cie, 3506 Christophe Colomb St., 7,000 sq.yd. concrete sidewalks on De Gaspe St., $26,254.

Que., Montreal—Paving Gouin Blvd. from St. Lawrence St. to Cartierville, from B. Brault Ltd., 2855 Rosemount Blvd., 38,535 sq.yd. grading $1.35, 16,000 ft. cement curb straight $1.70, 1,080 ft. granite curb circular $3.50, 38,535 sq.yd. 3 in. asphalt $1.95, etc., total cost. $234,999.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, paving 3.986 mi. Project 368 in Barnstable Co., to Lane Constr. Co., 37 Colony St., Meriden, Conn., 46,950 sq.yd. 4 in. bitumi-

Streets and Roads (Continued)

nous concrete, $1.55 per sq.yd., 11,320 cu.yd. excav., $1.50, etc., total $170,086. Noted Sept. 27.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., paving Valentine Ave., sheet asphalt, and East 178th St., bituminous concrete, to C. D. Beckwith, Inc., 2875 Bway., $16,427 and $6,298 respectively; Oak Terrace, sheet asphalt, to J. Gaffney, 438 East 91st St., $1,871; Faile St., sheet asphalt, and Sherman Ave., bituminous concrete, to Interboro Asphalt Co., 2306 Creston Ave., $13,554 and $27,626 respectively; East 204th St., sheet asphalt, to Asphalt Constr. Co., 208 Bway., $9,970; grading, curbing, laying sidewalks on Montgomery Ave., to Spedero & Turriamo, 3185 East Tremont Ave., $4,730; Purdy St., to F. Hanratty, $5,134; steps and appurtenances on Transverse Rd., to J. V. Timoney Constr. Co., 220 East 201st St., $6,798; sewer in Grand Blvd., to F. Gabrielle, $5,576; sewer in East 155th St., and 5 x 5 ft. rein.-con. culvert on Ludlow Ave., to M. Del Balso, 660 East 221st St., $1,978 and $14,957 respectively. Noted Oct. 18.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving 26th St., to W. J. Fitzgerald, 547 West 45th St., $38,181; East 31st, East 33rd, and East 49th Sts., to Sicilian Asphalt Paving Co., 41 Park Row, $16,447, $17,934 and $10,721 respectively; 73rd and 148th Sts., to J. E. Gaffney, 438 East 91st St., $15,489 and $16,475 respectively; widening and granite block repaving Bway. 35th St., to Burnside Contg. Co., 270 Burnside Ave., $5,437. Noted Oct. 18.

N. Y., Niagara Falls — Paving Pierce Ave., brick, to Read-Coddington Eng. Co., 238 Portage Rd., $49,566. Engrs. est. $52,000.

N. J., Trenton—Concrete and granite block paving Superior and West Hanover Sts., to A. DeLucia, 52 Bayard St., $2,014 and $12,798 respectively; Princeton Ave., to Trenton & Mercer Co. Traction Co., Broad St. Bank Bldg., $13,050.

W. Va., Huntington—Brick surfacing on new concrete, asphalt filler, 8th St., 3rd and 4th Aves., to Harrison & Dean, Huntington, $225,480. Noted Oct. 4.

N. C., Greensboro—Guilford Co., waterbound macadam surfacing 2.8 mi. McConnell Rd. from Greensboro to Buffaloe Creek, 16 ft., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh. Engrs. est. $36,100.

N. C., Troy—Montgomery Co. topsoiling 7 mi. road, to Harris & Moore, Mt. Gilead, $28,000. Noted Oct. 4.

Fla., Inverness — Citrus Co. improving 17.7 mi. Crystall River-Inverness Rd., 160,000 sq.yd. lime rock-sand clay asphalt, 64,000 cu.yd. grading, to Barns & Smith, Inverness, $225,000. Noted Sept. 27.

Fla., Miami—For highway improvement H 205, 7,400 sq.yd. sheet asphalt, 1,200 lin.-ft. curb and gutter, etc., to Morgan Hill Paving Co., Miami, $37,000. Noted Sept. 20.

Miss., Lexington—For 14,304 sq.yd. brick asphalt binder and coat, to E. A. Finch, Greenwood, $1.82 per sq.yd., about $26,000. Noted Sept. 27.

Louisiana—State Hy. Comn., Baton Rouge, 6.111 mi. Lafayette-Broussard Rd., Lafayette Parish, to Lafayette Constr. Co., Lafayette, $33,795.

Michigan — State Hy. Dept., Lansing, grading and surfacing 0.601 mi. Sect. A and 0.508 mi. Sect. B State Trunk Line Rd. 60-4, Berrien Co., Sect. A to Williston Constr. Co., South Bend, Ind., $19,382, Sect. B to R. C. Atkinson, Niles, $15,778; 5.421 mi. State Trunk Line Rd. 40-6, Sect. B, Van Buren Co., to Wilder, Gould & Cross, 877-11th St., Grand Rapids, $60,579; 6 mi. State Trunk Line Rd. 25-2, Sect. A, Luce Co., to Luce Co. Roads Comn., Newberry, $76,000; 5.696 mi. Federal Aid Project 89, Sect. D, Jackson Co., to Rockford Constr. Co., Rockford, O., $124,396. Noted Oct. 11 and 18.

Mich., **Detroit**—To Detroit Asphalt Paving Co., 20 McGraw Bldg., grading and paving with 3½ in. sheet asphalt on 8 in. concrete Covington Dr. $66,022, Mackie St. $24,570, Rochester Ave. $7,797, Wisconsin Ave., Sect. 2 $29,996; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., Nevada Ave. $30,836, Pilgrim Ave. $11,401.

Ia., **Des Moines**—Paving various streets to G. F. Lambert, 208 Observatory Bldg., 884 sq.yd. concrete $2.67, and 3,526 sq.yd. concrete $2.54; to Des Moines Asphalt Paving Co., 2nd and New York Sts., 1,910 sq.yd. asphalt $2.84; to Wright Constr. Co., 211 Flynn Bldg., 7,853 sq.yd. asphalt $2.79 and 2,864 sq.yd. brick $3.64.

Ia., **Waterloo**—Black Hawk Co., grading and paving (1) 13.8 mi. Project 200, from Waterloo to Benton Co. Line (2) 11.45 mi. Project 201, Waterloo-Janesville Rd. (3) 6.89 mi. Project 202, Waterloo-Hudson Rd., to Bryant Paving Co., Waterloo, (1) grading $0.90, paving $2.39 total $377,982; to Moore-Young Constr. Co., Waterloo (2) and (3) grading $0.70 paving $2.54, totals $313,616 and $188,717 respectively. Noted Oct. 4.

Minnesota — State Hy. Dept., St. Paul, gravel surfacing 20,500 cu.yd. State Project 2-24, Federal Aid Project 129, between Moorhead and Glyndon, Clay Co., to Stevens Bros., Piedmont Bldg., $46,580. Noted Oct. 11.

Minn., Faribault — Rice Co., Job 2310, State Rd. 33, 150,860 cu.yd. earth excav., 2,400 cu.yd. loose rock and 652 cu.yd. solid rock excav., 199,737 cu.yd. overhaul, to Nolan Bros., 18 North 2nd St., Minneapolis, $55,000. Noted Aug. 23.

Minn., St. Paul—Paving Lexington Ave. between Summit Ave. and St. Clair St., 12,070 sq.yd. sheet asphalt, 3,690 lin.ft. straight curb, 915 lin.ft. radius concrete curb to Thornton Bros., 306 Central Bank Bldg., $41,047; oil asphalt paving 4½ mi. Crocus Hill Dist. and 1 mi. Juliet St. between Snelling and Fairview Aves., to Fielding & Shepley, 216 University Ave., $137,564 and $31,874 respectively. Noted Oct. 4.

Minn., St. Paul—Ramsey Co., grading and paving Project 23-69, Lake Phelan Blvd. between city limits and Minnesota Trunk Highway 1, 3,910 cu.yd. excav., 19,177 sq.yd. asphaltic concrete on broken limestone, 11,566 lin.ft. concrete curb, etc., to Hanlon & Okes, 338 Lumber Exch., Minneapolis, $61,157. Noted Sept. 20.

Kan., Oberlin—Decatur Co. grading Kansas City Denver Air Line, Federal Aid Project 165, Sect. A, to Bump Constr. Co., Prairie View, $50,165. Noted Sept. 27.

N. D., Wahpeton—Richland Co. gravel surfacing 8 mi. Federal Aid Project 71, to Cudd & Hidlebaugh, Foxholm, Minn., $39,236. Noted Oct. 11.

Tex., Cisco—Brick paving 90,000 sq.yd. West 6th and Front Sts., to Jordon Constr. Co., Electra, $280,000.

Oklahoma — State Hy. Dept., Oklahoma City, grading and paving 7.28 mi., road from Cyril to Cement, Coddo Co., 76,880 sq. yd. gravel, 46,199 cu.yd. earth and 12,050 cu.yd. rock excav., to A. A. Davis & Co., Grain Exchange Bldg., Oklahoma City, $90,361; 15.24 mi. highway from Dewey to state line, 18 ft., Federal Aid Projects 106 and 107, Washington Co., 160,512 sq.yd. Bates type concrete, 45,000 cu.yd. excav., to Greene-Beehman Co., First Natl. Bank Bldg., Oklahoma City, $480,035.

Okla., Muskogee—Grading and paving 10 blocks 7th and Omulgee Sts., 11,680 sq.yd. asphalt, 3,800 cu.yd. excav., to General Constr. Co., Herskowitz Bldg., Oklahoma City, $57,397.

Okla., Sand Springs—Improving 20 blocks in business section, 22,000 sq.yd. concrete, 5,600 cu.yd. excav., to Comstock-Smedley, Tulsa, $141,225.

Okla., Sapulpa—Grading and paving 8 blocks 9th and Central Sts., 9,000 sq.yd. concrete, 5,600 lin. ft. curbing, 2,800 cu.yd. excav., to Klinglesmith Eng. and Constr. Co., Drumright, Okla. $39,962.

Okla., Tahlequah—Curbing and plain concrete paving 14,000 sq.yd. in Dist. 1, to H. Tidd, 607 North Main St., Hutchinson, Kan., $60,536.

Wash., Seattle—Bd. Pub. Wks., paving and cluster lights on Denny Way et al., to D. A. Traphagen, Walker Bldg., $35,509. Engrs. est. $35,963. Noted Oct. 18.

Wash., Waterville—Douglas Co., improving 4.35 mi. Coulee-Mansfield Highway, to H. R. McGee & Co., Spokane, 16,512 cu.yd. earth excav. $0.30 per cu.yd., 10,556 cu.yd. loose rock $0.60, 6,098 cu.yd. solid rock $1.50, 6,448 cu.yd. crushed rock surfacing $2.10, total $36,699.

Calif., Los Angeles—Grading, curbing guttering, sidewalks and concrete paving Bellevue Ave., to G. A. Constantine, Haas Bldg., $37,858.

Calif., South Pasadena (Pasadena, P. O.)—Curbing, guttering, macadam paving and laying sidewalks on Gravelia St., to Pasadena Paving Co., Pasadena, $15,000; guttering, concrete paving, laying walks and sewers on Fremont St., to Ducey & Bernstein, Pasadena, $23,000. Noted Sept. 27.

Que., Montreal—To Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St. W., paving with 3 in. asphalt 4,700 sq.yd. Fabre St. $22,615, 9,500 sq.yd. Marquette St. $45,745, 4,100 sq.yd. Garnier St. $20,225; to B. Brault, Ltd., 60 St. Viateur St., paving with 3 in. asphalt 4,550 sq.yd. Parthenais St. $18,052; to F. Lapan, 601 Lacordaire St., concrete sidewalks on 2,240 sq.yd. 9th Ave. $8,719, 2,500 sq.yd. Hector St. $11,180; to Leger & Lamoureux, St. Denis Bldg., concrete sidewalks on 640 ft. Pie 1X Blvd. $1,817, 3,250 sq.yd. 8th Ave. $12,470, 1,340 sq.yd. 5th Ave. $5,180; to Rondou Corlier & Cie, 3506 Christophe Colomb St., concrete sidewalks on 1,200 sq.yd. Lajeunesse St. $7,295, 820 ft. Drolet St. $1,961, 1,945 ft. Rivard St. $2,134, 1,350 ft. Baby St. $2,425, Hanatoux St. $7,294; to J. Toralli, 186 St. Marguerite St., concrete sidewalks on 370 ft. Chambord St. $1,552, 450 ft. Lacasse St. $1,450. Noted Sept. 6.

Que., Montreal—City will pave with asphalt 1,200 ft. Addington St., 30 ft., $12,580, 2,800 ft. Angers St., 30, 36 and 52 ft., $48,377, 1,121 ft. Villemarie St., 30 ft., $19,424, 117 ft. Adam St., 44 ft., $2,450, 900 ft. Nicolet St., 30 ft., $10,745, 980 ft. Hochelaga St., 36 ft., $17,748; 5 ft. concrete sidewalks on 500 ft. Villemarie St. $1,337, 1,100 ft. Nancy St. $4,031, 935 ft. Madison St. $2,246, 1,480 ft. Patricia St. $2,424, 620 ft. Rachel St. $1,926, by day labor. E. Gauthier, assist. city clk. Noted Sept. 6.

Que., Montreal—Paving 15,000 sq.yd. Delormier Ave., asphalt, to Sicily Asphaltum Paving Co., 60 St. Viateur St., $77,759; 1,138 sq.yd. concrete sidewalks on St. Pascal St., to Duranceau & Duranceau, 127 Hamilton St., $6,070.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, paving 2 mi. macadam road, 20 ft. wide, in Joyceville, to McGinnis & O'Connor, Joyceville, also ½ mi. macadam base course in Kingston, to McLean & Stidwell, Cornwall. Total est. $45,000.

Ont., Ottawa—Asphalt paving Carling Ave. from Preston St. to Fairmont Ave., to O'Leary Bros., Rideau St., $41,000.

Industrial Works

PROPOSED WORK

Conn., Hartford — F. C. Wales, archt., Trumbull St., preparing plans 1 story and basement, 100 x 100 ft. garage, brick and steel, plain foundation, Capitol Ave. $40,000. Owner's name withheld.

N. Y., Green Island (Troy P. O.)—J. A. Manning Paper Co., 68 George St. having plans prepared 1 story 38 x 150 ft., brick and timber factory, plain foundation, George St. $350,000. J. Foy, master mechanic.

N. Y., Newburgh—Crawshaw Carpet Co., 635 Bway., retained Lockwood-Green, archts. and engrs., 101 Park Ave., New York City, to submit report for new plant additions.

N. Y., New York—City of New York, Bellevue and Allied Hospitals, East 26th St., having plans prepared refrigerating plant, rein.-con., brick and steel, plain foundation, East 26th St. $65,000. Private plans. A. Judd, chn. building com.

N. Y., Niagara Falls—See "Miscellaneous."

N. Y., Penn Yan—Penn Yan Boat Co. plans 50 x 100 ft. storehouse. Will mature in spring.

N. Y., Ridgewood (Brooklyn P. O.)—H. C. Bohack, Inc., Metropolitan Ave. and Flushing St., soon takes bids rein.-con., brick and steel bakery, plain foundation, $450,000. Koch & Wagner, 32 Court St., Brooklyn, archt. and engr.

W. Va., Belington—City plans to rebuild power plant recently destroyed by fire. $40,000.

Ky., Covington—Louisville & Nashville R.R. Co., 10th and Bway, Louisville, plans freight station, here. $150,000. W. H. Courtnay, ch. engr. Noted Aug. 9.

O., Cleveland—City Ice & Fuel Co., c/o C. C. Coneby, constr. mgr., Cadillac Bldg., having revised plans prepared by Arctic Ice Machine Co., 920 Market Ave. S., Canton, 1 story, 66 x 184 ft., brick, steel and concrete plant, East 124th St. and Union Ave. $60,000. Noted Oct. 11.

O., Cleveland—B. Ris, c/o A. N. Ferguson Co. archts., 12821 Phillips Ave., had plans prepared 2 story and basement, 40 x 156 ft., brick and timber factory, 3035 St. Clair Ave. $60,000

O., Cleveland—White Motor Co., 842 East 79th St., having plans prepared by Watson Co., 4614 Prospect Ave., 1 story, 100 x 100 ft., brick, steel and concrete factory addition. $50,000.

Mich., Detroit—Baxter, O'Dell & Halpin, archts., 1024 Hammond Bldg., takes bids about Oct. 25, 2 story, 78 x 101 ft. addition to factory, brick and steel, plain foundation, 2nd and Amsterdam Aves., for Caille Bros. Co., 6210 2nd Ave.

Mich., Detroit—Michigan Stamping Co., 11631 Mack Ave., had plans prepared by A. Kahn, Marquette Bldg., 1 and 2 story addition, adding 1 bay and making all 5 story, rein.-con. building, Hart Ave. $75,000.

Industrial Works (Continued)

Mich., Detroit—P. Rossello, archt., 406 Congress Bldg., preparing plans 6 story and basement, 50 x 100 ft., rein.-con., brick and steel warehouse, plain foundation, West Side. $250,000. Owner's name withheld.

Wis., Friesland—Friesland Canning Co. had plans prepared by J. E. Hennen, South Main St., Fond du Lac, 2 story, brick and timber cannery.

Wis., Milwaukee—School Bd., 10th and Prairie Sts., had plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., 2 story, 147 x 172 ft., brick and concrete warehouse, plain foundation, 11th St. Bids Nov. 1 for excavation. $175,000.

Wis., Milwaukee—Republic Building Co., 204 11th St., had plans prepared by M. Tullgren & Sons, 425 East Water St., 1 story and basement, 55 x 150 ft., brick and concrete addition to film storage building, plain foundation, Wells St. $40,000.

Wis., Waukesha — Thompsons Malted Food Co., Riverside Dr., had plans prepared by H. J. Esser, 82 Wisconsin St., Milwaukee, 3 story, 52 x 60 ft., brick and concrete addition, plain foundation. $40,000.

Mo., Norborne—See "Waterworks."

Mo., St. Louis—Jersey Farm Dairy Co., 1007 Russell Ave., having plans prepared by Larkin Eng. Co., archts. and engrs., 424 North Third St., 2 story and basement, 50 x 80 ft., rein.-con. plant, plain foundation. $40,000.

Tex., Haskell—Western Cotton Oil Co. plans to rebuild mill recently damaged by fire. $75,000. Engineer and architect not selected.

Tex., Magnolia Park—City having plans prepared by Jones & Lewis, engrs., San Francisco, and H. Culpepper, city engr., gas works and 30 mi. mains. $300,000 bonds voted.

Tex., Mildred—Humble Oil & Refining Co., Great Southern Life Bldg., Dallas, had plans prepared casing head gasoline plant, here. $200,000. Private plans.

Ore., Portland—City Comrs. plan garage and machine shop, Montgomery and Larabee Sts. $150,000. O. Laurgaard, city engr.

Calif., Fresno — Farmers Dairy, 1515 Bway. St., plans milk pasteurizing plant. To exceed $40,000.

Calif., Long Beach—F. A. McKenzie Co., 212 Locust St., having plans prepared by H. L. Gogerty, 239 East Bway., 1 story, 50 x 150 ft. auto service building, brick, American Ave.

Calif., Long Beach—Southern Service Co., 925 West 7th St., having plans prepared by Wright & Gentry, Marine Bank Bldg., 2 story, 50 x 80 ft. shop addition, and 1 story, 80 x 125 ft. laundry addition, both brick, Bway. and Mitchell Sts.

Calif., Los Angeles—Industrial Stores Co., c/o C. C. Rittenhouse, archt., Wilcox Bldg., having plans prepared 1 story, 150 x 225 ft., brick garage, East 7th St.

Calif., Los Angeles—Solar Lighting Co., 219 East 4th St., having plans prepared by W. D. Lee, Sun Bldg., 2 story, 50 x 150 ft. brick factory, Los Angeles St.

Calif., Newport Beach—Orange Co. Harbor Comn., Santa Ana, plans to vote on $75,000 bonds for warehouses and wharves at harbor, here.

Calif., Oakland — E. H. Vincent, 3121 Humboldt Ave., plans factory. To exceed $40,000.

Calif., Paso Robles—Pioneer Garage (W. C. Henderson), having plans prepared by Miller & Warnecke, Perry Bldg., Oakland, 2 story, garage addition. $40,000.

Calif., San Diego—Atchison, Topeka & Santa Fe Ry. Co., Kerchkoff Bldg., Los Angeles, having plans prepared creosoting plant, power house and tanks, here. To exceed $200,000. D. Murry, c/o owner, engr.

Ont., Galt—P. W. Gardiner & Sons plan to rebuild planing mills, recently destroyed by fire. $100,000.

BIDS DESIRED

Conn., Hartford—B. A. Sellew, archt., 721 Main St., taking bids and opens same about Oct. 23, 1½ story, 90 x 90 ft. garage, brick and steel, plain foundation, Walnut St. $40,000. Owner's name withheld. Noted Oct. 11.

N. Y., Vischers Ferry—Nov. 8, by E. S. Walsh, comr. Canals and Waterways, Albany, superstructure of power house and work incidental thereto, at dam, here, Contr. B-4; adv. E. N.-R. Oct. 25.

Pa., Phila.—Oct. 18, by L. Rothschild, 215 South Broad St., 1 story 26 x 53 x 76 x 102 x 125 x 211 ft. garage, rein.-con., brick and steel, Carlisle St. near Montgomery Ave., for L. Friedman, Inc., Agent, 251 South 15th St. $175,000.

La., Baton Rouge—Baton Rouge Ice Co., Repentance St., taking bids 3 story, 100 x 100 ft. cold storage and ice plant, concrete and brick. G. E. Wells & Co., Baton Rouge, archts.

O., Steubenville—F. Scott (Studebaker Agency), taking bids 2 story and basement, brick and rein.-con. auto service and sales building. $75,000. W. S. Ferguson Co., 1900 Euclid Ave., Cleveland, archts.

Wis., Sheboygan—D. & D. Hanger Panel Co., c/o H. Davis, pres., 721 Jefferson St., taking bids 2 story, 80 x 87 ft., brick, rein.-con. and steel, factory, plain foundation. $50,000. W. C. Weeks, 720 Ontario Ave., archt.

Wis., Spring Green—Spring Green Canning Co., c/o W. P. McDonnell, chn., taking bids 2 story, 30 x 140 ft., brick and rein.-con. factory, plain foundation. $50,000. Private plans. Noted Oct. 18.

Wis., Waukesha—H. J. Esser, archt., 82 Wisconsin St., Milwaukee, taking bids and opens same about Oct. 29, 2 story, 52 x 64 ft addition to factory, brick and concrete, plain foundation, also 1 story, 50 x 100 ft. concrete garage, for Thompson Malted Food Co., Riverside Dr. $40,000 each. Noted Oct. 25.

Calif., Bakersfield—Engineering Dept. of Atchison, Topeka & Santa Fe Ry., Kerckhoff Bldg., Los Angeles, receiving bids 50 x 500 ft. foundation, platform and oil storage basement and store house. Bids for superstructure to be taken later.

Ont. Walkerville — Berry Bros. Inc., Walker Rd., receiving bids 3 story and basement, 60 x 100 ft., factory addition, brick and rein.-con., Walker Rd. $60,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, Mich., archts. Noted Oct. 4.

CONTRACTS AWARDED

Conn., Bridgeport—R. Wallenta, Maple Ave., 2 story, 60 x 90 ft. factory, brick and steel, plain foundation, Maple Ave., to Lawrence & Coe Constr. Co., 372 Trumbull St., Hartford. Archts. est. $45,000.

Conn., Hartford — Skayef Ball Bearing Co., 330 New Park Ave., 2 story, 50 x 80 ft., brick and steel factory, plain foundation, New Park Ave., to Industrial Constr. Co., 721 Main St. Archts. est. $40,000.

N. Y., Brooklyn—W. Feistag, c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build 1 story, 100 x 150 ft., brick, steel and stone, plain foundation, Liberty Ave., by day labor. $50,000.

N. Y., Penn Yan—Penn Yan Boat Co., 1 story, 50 x 186 ft. tile, steel and concrete factory, and retaining wall along water front, to W. A. Randall, Penn Yan, $40,000.

Pa., Phila.—Delaney & Co., Cottman and Milnor Sts., 2 story, 140 x 180 ft., brick and timber factory, plain foundation, Cottman and Milnor Sts., to A. Raymond Raff Co., 1635 Thompson St., $60,000.

Pa., Phila. — Amer. Ice Co., 121 North Broad St., 3 story, 57 x 150 ft. ice storage and manufacturing plant, 17th and South Sts., to Sutton & Stephensen, 13th St. and Washington Ave.

Pa., Phila.—Koelle-Greenwood Motor Co., 6025 Germantown Ave., 2 story and basement, 70 x 209 ft. garage, Chelton Ave. east of Wayne St., to Turner Constr. Co., Presser Bldg. Archts. est. $100,000. Noted Aug. 9.

Md., Baltimore—G. R. Callis, Jr., archt., Amer. Bldg., 6 story, 60 x 150 ft., concrete plant, concrete pile foundation, Commerce and Pratt Sts., to Frainie Bros. & Haigley, 19 West Franklin St., for Baltimore News & American, Fayette and Calvert Sts. $300,000. Noted Sept. 27.

N. C., Greenville—Teachers Training College, additional power plant, to Dermott Heating Co., Durham, $122,750.

Tenn., Jacksonville—Du Pont Fibre Silk Co., Du Pont Bldg., Wilmington, Del., will build first unit of $4,000,000 plant, here, by day labor. Construction will begin about Nov. 1. Noted July 26.

Tenn. Nashville—Nashville Paper Stock Co., 4 story brick warehouse, 2nd and Church Sts., to Mangrum & Bell Constr. Co., Murfreesboro, $40,000. Noted Oct. 11.

Tenn., Nashville—Turner, Day & Woolworth Handle Co., Inc., 1404 Adams St., 2 story, 60 x 145 ft., rein.-con. and brick factory (first unit) to H. P. Jacobs Constr. Co., Independent Life Insurance Bldg., $40,000. Noted Oct. 18.

O., Cleveland—H. D. Koblitz, Osborn Bldg., 1 story, 89 x 116 ft., brick and steel garage and commercial building, 2118 East 55th St., to A. Bloom, 10621 Canfield Ave. Archts. est. $50,000. Noted Sept. 13.

O., Cleveland — Miller-Becker Co., 6411 Central Ave., 2 story and basement, 60 x 128 ft. bottling plant, brick and steel, 6317 Central Ave., to J. Miller, 10819 Locust Ave. Archts. est. $60,000.

Ind., Evansville—International Harvester Co., 101 North Garvin St., 1 story, 80 x 125 ft. warehouse, brick, Garvin Ave., to M. J. Hoffman Constr. Co., Furniture Bldg., $40,000.

Mich., Detroit — F. L. Bromley, 2642 East Grand Blvd., 1 story, 75 x 340 ft. and 40 x 80 ft. brick and steel factory buildings, rein.-con. loading docks and depressed tracks, Unit 2, to Everett Winters Co., 751-754 Book Bldg., $125,000.

Mich., Detroit—Towson Body Co., 1424 Aberle St. additon to plant, brick and rein.-con., plain foundation, to H. G. Christman Co., 315 Stevens Bldg. $160,000.

Ill., Chicago—Western Electric Co., 22nd St. and Cicero Ave., 4 story, 160 x 180 ft., fireproof warehouse, Kostner St. near Ogden Ave., to J. Bhedden & Co., 100 North La Salle St. Archts. est. $1,000,000.

Wis., Arlington—E. A. Banks, Cambria, will build 2 story, 60 x 90 ft., brick, rein.-con. and steel factory, plain foundation, by day labor. $50,000. Noted Sept. 13.

Wis., Deerfield—Deerfield Canning Co., c/o G. O. Bergland, will remodel 2 story brick and timber cannery, by day labor. $50,000. Private plans.

Wis., Elkhorn—G. A. Van Velzer, Williams Bay, 1 story, 52 x 100 ft., brick and concrete garage, plain foundation, to Morrissey Bros., Elkhorn. $40,000. Noted Oct. 4.

Wis., Green Bay—Badger Show Case Co., 133 North Pearl St., 2 story, 60 x 162 ft., brick and timber factory, plain foundation and 37 x 42 ft. boiler house and dry kiln, brick, to F. De Coster, 1011 Mather St. Archts. est. $50,000.

Wis., Kenosha — Amer. Brass Co., 570 Elizabeth St., taking bids 1 story, 222 x 542 ft., brick and steel mill, plain foundation. Private plans Steel, to Amer. Bridge Co., 30 Church St., New York.

Wis., Madison—Chicago & Northwestern Ry., c/o B. R. Kulp, engr., 201 South Blair St., 2 story, 50 x 100 ft. machine and repair shop, brick, rein.-con. and steel, plain foundation, to G. W. Gindele Co., 4217 Belle Plains Ave., Chicago. Engrs. est. $40,000. Noted Sept. 13.

Wis., Medford—Medford Canning Co., c/o J. B. Weix, mgr., Oconomowoc, will build 3 story, 50 x 120 ft. main factory, 1 story, 100 x 128 ft. warehouse and 1 story, 40 x 40 ft., power house, brick and timber, plain foundation, here, by day labor. Private plans.

Wis., Milwaukee—Finkler Motor Car Co., 924 3rd St., 1 story, 62 x 100 ft., brick and concrete addition, plain foundation, to E. Dreyer, 1008 6th St. $40,000.

Wis., West Bend—Atlantic & Pacific Products Co., 1 story, 100 x 172 ft., brick and timber addition, plain foundation, to West Bend Constr. Co., West Bend. $60,000.

Minn., Bemidji—Blue Valley Creamery Co., 700 South Clinton St., Chicago, 2 story, 60 x 140 ft. plant, brick and concrete, general contract to S. H. Des Marais, Staples, $31,449. Noted Oct. 4.

Kan., Topeka—G. L. Jordan Bakery Co. general contract 3 story, 75 x 100 ft., brick and rein.-con. bakery, to Sonne Constr. Co., Topeka. Noted Sept. 27.

Mo., Cape Girardeau—Groves Motor Co., 2 story, 100 x 100 ft., brick and concrete garage and sales building, Prague and Spruce Sts., to J. W. Gerhart Constr. Co., Cape Girardeau. Archts. est. $50 000.

Mo., St. Louis — Quick Meal Stove Co., Kingshighway and Daggett St., 1 and 2 story, 83 x 316 ft., brick and rein.-con. factory, Wilson Ave., to Kellerman Constr. Co., Victoria Bldg. Archts. est. $75,000.

Calif., Long Beach—California Seamless Shoe Corp., 2234 Dayton St., Los Angeles, 1 story, brick factory, here, to Moran Co., Kerckhoff Bldg., Los Angeles, $40,000.

Calif., Los Angeles—Hanna, Butterworth & Turner, 2 story, 100 x 145 ft. factory, brick, Wall St. near 10th St., to Moran Co., Kerckhoff Bldg., $75,000.

Calif., Santa Ana—Excelsior Creamery Co., 1012 East 1st St., 1 story, 50 x 100 ft. creamery, steel, to Austin Co. of California, Bartlett Bldg., Los Angeles.

Buildings

PROPOSED WORK

Mass., Chelsea (Boston, P. O.)—High School—Pub. Wks. Dept. rejected bids Oct. 4 constructing high school. Will take new bids within month. Noted June 7.

Buildings (Continued)

Mass., Holyoke — Church — Holy Cross Church plans church, Dwight St. $150,000. J. C. Ivers, pastor.

Conn., Bristol—Telephone—Southern New England Telephone Co., 14 Summer St. plans 4 and 5 story, brick and steel, Main St. $200,000.

Conn., Derby—Nurses Home—Griffin Hospital, Seymour Ave., plans 3 story, brick and stone, plain foundation, Seymour Ave. $200,000. Engineer and architect not selected.

Conn., Hartford—Apartment—Ferrigno & Perrone, 44 Garden St., plan brick, Farmington Ave. $200,000. Engineer and architect not selected.

Conn., Hartford—Business—H. Zinman, 38 Oakland Terrace, plans 4 story, brick, plain foundation, Broad St. $150,000. Golden-Storrs & Co., 1127 Main St., archts.

N. Y., Brooklyn—Apartment—Abraham Lincoln Apt. Inc., c/o S. Malkind, archt. and engr., 16 Court St., having plans prepared 4 story, 250 x 350 ft., steel and stone, plain foundation, Bay Parkway. $900,000.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York, had plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, brick, steel and stone, plain foundation, 16th Ave. and 71st St., here. $187,000.

N. Y., New York—Apartment—F. Morell, c/o G. F. Petham, archt. and engr., 200 West 72nd St., soon takes bids brick, steel and stone, plain foundation, West 71st St. $350,000.

N. Y., New York—Apartment—F. Starkman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., soon takes bids brick, steel and stone, plain foundation, East 38th St. $350,000.

N. Y., New York — Apartment — Three Hundred Two-Four West 75th St. Corp., c/o R. T. Lyons, archt. and engr., 342 Madison Ave., soon takes bids 15 story, brick, steel and stone, plain foundation, West 75th St. $750,000. Noted March 29.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., soon takes bids brick, steel and stone, plain foundation, 368 East 150th St. $270,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., archts. and engrs.

N. Y., New York—Loft—A. Greenbaum, c/o E. Roth, archt. and engr., 119 West 40th St., preparing plans brick, steel and stone, plain foundation, 256 West 38th St. $350,000.

N. Y., New York—Loft—L. Wintner, c/o G. and E. Blum, archt. and engr., 505 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, West 35th St. $750,000.

N. Y., New York—Office, etc.—Northern Union Gas Co., Webster Ave., having plans prepared by Jardine, Hill & Murdock, archts. and engrs., 347 Madison Ave., 4 story office building and shops, rein.-con., brick and steel, plain foundation, East Kingsbridge Rd.

N. Y., New York—Theatre—Picadilly Holding Co., 1650 Bway., having plans prepared by Schloss & Orlando, archts. and engrs., 105 West 40th St., brick, steel and stone, plain foundation, 1662-66 Bway. $350,000.

N. Y., Niagara Falls—Store—Beir Bros., Falls St., plan 4 story, 66 x 132 ft. addition. $150,000. Engineer and architect not announced.

N. J., Irvington—High School—Bd. Educ. had plans prepared by D. Barber, archt and engr., 101 Park Ave., New York City, brick, steel and stone, plain foundation, Clinton Ave. $500,000.

Pa., Altoona — Bank — First National Bank, 11th Ave. and 12th St., plans 3 story and basement, 75 x 120 ft., rein.-con. brick, tile and stone. $200,000. Architect not selected.

Pa., Johnstown—Safety—H. L. Opperman, supt. Dept. Pub. Safety, receiving sketches 2 story and basement, 100 x 120 ft., rein.-con., brick and steel, Washington St. $150,000.

Pa., Mahanoy City—Theatre—Chamberlain Amusement Enterprises, Inc., Shamokin, having plans prepared by W. H. Lee, 1505 Race St., Phila., 3 story, 70 x 161 ft., Main and Market Sts., here. $250,000.

Pa., Shamokin—High School—Bd. Educ. having plans prepared by W. H. Lee, 1505 Race St., Phila., 3 story an basement, brick and steel, East Coal Dist., Coal Twp.

Va., Virginia Beach — Hotel — Pennsylvania R.R., Broad St. Sta., Phila., Norfolk & Western R.R., Norfolk, Norfolk & Southern R.R., Norfolk, and Norfolk & Washington Steamship Line, Front St., Norfolk, are promoting construction of $3,000,000 tourist hotel, here.

W. Va., Beckley—Schools—Bd. Educ. sold $450,000 bonds for schools.

N. C., Asheville—Court House—Buncombe Co. plans court house. $200,000. E. M. Lyda, chn. of comrs.

N. C., Chapel Hill—Dormitories—University of North Carolina, plans 3 dormitories, brick, on campus. $336,000. J. Sprunt Hill, Durham, chn. building com.

N. C., Greensboro—Apartment—Greensboro Apartment House Corp., plans 5 story and basement, fireproof, Carolina Ave. $400,000. Engineer and architect not selected. Address H. R. Bush, c/o Chamber of Commerce.

N. C., Greensboro—Temple—Greensboro Masonic Temple Co. plans temple. $200,000 or more. L. H. Hole, chn. of temporary com.

N. C., Wilmington—Hotel—Cape Fear Hotel Co. soon takes bids 8 or 10 story, 2nd and Chestnut Sts. $850,000. G. L. Preacher & Co., Commercial Bank Bldg., Raleigh, and Healy Bldg., Atlanta, Ga., archts.

Ga., Atlanta—Hotel—H. R. and C. R. Cannon having plans prepared by G. L. Preacher & Co., Healy Bldg., 12 story, basement and sub-basement, 115 x 143 ft., Peachtree and Cain Sts. $1,250,000.

Tenn., Memphis—Hotel—Southern Hotel Co. Inc., 257 South Main St., lets contract about Dec. 10, 12 story, South 2nd, Union and 3rd Sts. $3,000,000. Clearing contract let to W. J. Newman Co., 210 North Curtis St., Chicago. Noted July 28.

Ky., Louisville — Hospital — Kosair Temple, Mystic Shrine, plans convalescent home for crippled children, cottage institutional plan. $170,000.

O., Arcadia—School—Bd. Educ. having plans prepared by T. D. McLaughlin, Savings Bldg., Lima, 2 story and basement, brick and concrete. $150,000.

O., Cleveland — Apartment — Euclid-84th Co., c/o J. J. Klein of Klein & Harris, Engineers Bldg., plans 4 or 6 story, brick, East 84th St. and Euclid Ave. $600,000. Engineer and architect not selected.

O., Cleveland — Commercial and Apartment—S. Deckelbaum, 11502 Hopkins Ave., having plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 85 x 165 ft., brick, Euclid Ave. $200,000.

O., Cleveland—Office and Retail—Cleveland Window Glass & Door Co., c/o W. K. Palmer, pres., 209 Champlain Ave., having preliminary plans prepared by Allen-Osborn Co., Rose Bldg., 3 story, brick, steel and concrete, on lot 99 x 180 ft., 1200 Bolivar Rd. $150,000.

O., Columbus — Archiological — Bd. Trustees Ohio State University, had revised plans prepared by J. N. Bradford, c/o owner, 4 story and basement, brick, stone and concrete, on campus. $238,000.

O., Dayton—Sales, etc.—Dayton & Troy Auto Co., 2nd and St. Clair Sts., plans 10 story and basement, 60 x 200 ft. auto sales and repair shop, rein.-con. and brick, plain foundation. $500,000. Engineer and architect not selected.

O., Lakewood (Cleveland P. O.)—Apartment—M. Narosny and S. Liebhaber, 11523 Tuscora Ave., Cleveland, having plans prepared by L. R. Walker and J. L. Mauer, 1900 Euclid Ave., Cleveland, 3 story and basement, brick, Clifton Blvd. near Cove Ave., here. $150,000.

O., Sylvania—High School—Bd. Educ. having plans prepared by T. McLaughlin, Savings Bldg., Lima, 2 story and basement, rein.-con. and brick. $150,000. Noted July 12.

Mich., Detroit—Apartment—J. L. Weinberg, archt., 401 Congress Bldg., preparing plans 3 story and basement, 100 x 100 ft., brick and steel, plain foundation, Grand River Ave. $150,000. Owner's name withheld.

Mich., Detroit—Church—Associated Methodist Episcopal Church, having plans prepared, c/o P. R. Rossello, archt., 406 Congress Bldg., 2 story, 80 x 120 ft., brick, steel and stone, plain foundation, Frederick and St. Antoine Sts. $300,000.

Mich., Detroit—Community Hall—Edmonton Building Corp., c/o Beckett & Akitt, archts., 73 Monroe Ave., having plans prepared 5 story and basement, 100 x 200 ft. rein.-con. and brick, plain foundation, Grand River and Linfield Aves.

Mich., Detroit — Hotel — J. Barlum, 206 East Grand River Ave., having plans prepared by Bonnah & Chaffee, 528 Farwell Bldg., 8 story and basement, 50 x 200 ft. rein.-con. and brick, plain foundation, Woodward Ave.

Mich., Detroit—Morgue—Wayne Co., c/o Bd. Wayne Co. Auditors, County Bldg., having plans prepared by A. H. Gould & Son, 602 Empire Bldg., 2 story, 85 x 136 ft. brick and steel, plain foundation, Lafayette and Brush Sts. $150,000.

Mich., Eloise—Infirmary—Eloise Hospital having plans prepared by MacFarlane, Maul & Lentz, 1257 David Whitney Bldg., 4 story, rein.-con., brick and steel addition, plain foundation. $900,000.

Mich., Grosse Pointe—School—Consolidated Grosse Pointe School Dist. having plans prepared by G. J. Haas, 1101 Kresge Bldg., Detroit, 2 story and basement, 100 x 150 ft., brick, steel and rein.-con., plain foundation. $200,000.

Mich., Redford—School—Bd. Educ. having plans prepared by Verner, Wilhelm & Molby, archts., 602 Book Bldg., Detroit, 2 story and basement, 48 x 152 ft., brick, steel and concrete, plain foundation, Grand River Ave. $150,000.

Ill., Chicago—Apartment—J. S. Smith, c/o J. Hocke, archt., 7602 Chappel Ave., plans 3 story and basement, fireproof, 67th and Clyde Sts. $350,000.

Ill., Chicago — Club — Iroquois Club, 26 North Dearborn St., plans 21 story, fireproof, Michigan Blvd. and Lake. $3,500,000. J. Hunt, 30 East Ontario St., archt.

Ill., Des Plaines—Temple—Des Plaines Masonic Temple Assn., 1st Natl. Bank Bldg., plans 3 story, 82 x 142 ft., fireproof, Lee and Milnar Sts. $150,000. C. Hatzfeld, 7 South Dearborn St., Chicago, archt.

Ill., Wheaton—High School—Bd. Educ. plans 3 story high school, fireproof. $160,000. J. C. Llewellyn, 38 South Dearborn St., Chicago, archt.

Wis., Bloomington—School—Bd. Educ. having plans prepared by J. R. and E. J. Law, 1st Central Bldg., Madison, 2 story, 60 x 150 ft., brick, rein.-con. and stone, plain foundation. $150,000.

Wis., Kenosha—Hotel and Store—F. and E. Dayton, Palace Theatre Bldg., having revised plans prepared by White & Co., Pub. Serv. Bldg., 8 story, 42 x 100 ft. and 25 x 70 ft., brick, tile and concrete, plain foundation. $200,000.

Wis., Madison — Memorial — University Union having plans prepared by A. Peabody, archt., Capitol, and Eschweiler & Eschweiler, associated archts., 210 Mason St., Milwaukee, 4 story and basement, 176 x 260 ft., stone and concrete, plain foundation, Langdon St. $1,200,000. Takes bids this winter on foundation and excavation.

Ia., Dubuque — Nurses Home — Finley Hospital having plans prepared by F. K. Seam, Dubuque, 3 story and basement, 50 x 150 ft., stone and tile, Dollin and Allison Pl. $150,000.

Ia., Sioux City—High School—Bd. Educ. having plans prepared by Beuttler & Arnold, 407 rain Exch. Bldg., 3 story and basement, 230 x 230 ft., rein.-con., brick, tile and stone. $400,000.

Minn., Redwood Falls—School—Bd. Educ. having plans prepared by G. Pass & Son, Mankato, 2 story and basement, 147 x 150 ft., rein.-con., brick and tile. $150,000. H. M. Aune, clk.

Kan., Baldwin—College—Baker University having preliminary plans prepared by T. W. Williamson & Co., Central Natl. Bank Bldg., Topeka, 2 story and basement, rein.-con., brick and stone, plain foundation. $300,000.

Tex., Dallas—Theatre—Flint & Broad, archts., Andrews Bldg., prepared plans concrete, brick and steel, Commerce St. $200,000. Owner's name withheld.

Tex., San Antonio — Y. M. C. A. takes bids Nov. 1, 8 story, rein.-con., brick and stone, plain foundation, Martin St. $400,000. W. E. Simpson, N. B. C. Bldg., engr. Adams & Adams, 517 Gibbs Bldg., archts. Excavation let to city.

Tex., Waxahachie — Dormitory, etc. — Trinity University plans dormitory, gymnasium, chapel and science hall. $450,000. J. H. Burma, pres.

Wash., Seattle—Auditorium—Election in spring to vote on $750,000 bonds for municipal auditorium.

Ore., Portland — School — School Bd. Dist. 1 takes bids about Dec. 11, 2 story and basement, rein.-con. and stucco, Glenco, here, $200,000. A. E. Doyle, Worcester Bldg., archt.

Calif., Antioch—Hotel, Store and Office—Building corporation being organized and having preliminary plans prepared by W. O. Lewis, 460 Montgomery St., San Francisco, 2 story, brick. $150,000.

Calif., Glendale—Store and Theatre—J. Russell, et al., 208 South Brand Ave., hav-

Buildings (Continued)

ing plans prepared by Lindley & Selkirk, Amer. Bank Bldg., Los Angeles, rein.-con. To exceed $200,000. Coast Theatre Co., Knickerbocker Bldg., Los Angeles, lessee.

Calif., Gridley—High School—Gridley High School Dist. defeated $150,000 bonds for new high school.

Calif., Los Angeles—Apartment—Eastin Realty Co., 2106 West Pico St., had plans prepared 3 story and basement, brick, Pico and Wilton Sts. $150,000. Private plans.

Calif., Los Angeles — Office — Syndicate having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 13 story, 100 x 120 ft., brick and steel, 5th and Hill Sts. $1,500,000.

Calif., Los Angeles—Store and Office—F. E. Keeler, et al., Pacific Mutual Bldg., having preliminary plans prepared by Curlett & Beelman, Union Bank Bldg., rein.-con. and steel, 5th and Hill Sts. To exceed $750,000.

Calif., Los Angeles—Store, Office and Apartment—Conway Co., 823½ West Pico St., having preliminary plans prepared by W. F. Bowen, Union League Bldg., 3 story and basement, 115 x 115 ft., brick and steel, Pico and Harvard Sts.

Calif., Sacramento—Church—First Congregational Church having preliminary plans prepared by E. C. Hemmings and L. F. Starks, Ochsner Bldg., 1 story, rein.-con. and brick, L and 29th Sts. $150,000.

Calif., San Francisco — Hospital — City and San Francisco Co. takes bids about Feb. 1, group of six 2, 3 and 4 story, hospital buildings, rein.-con., incl. ward and administration buildings, etc. $1,750,000. J. Reid, Jr., 1st Natl. Bank Bldg., archt.

Calif., San Jose—Lodge—Scottish Rite Temple Assn. having revised plans prepared by C. Werner, Santa Fe Bldg., San Francisco, 2 story and basement, rein.-con., 3rd and St. James Sts. $200,000. Former bids rejected. Noted May 10.

Ont., London — Seminary — St. Peters Seminary, Dufferin Ave., having plans prepared by Pennington & Boyd, Bartlett Bldg., Windsor, brick, steel and stone, $500,000.

Ont., Ottawa — Archives — Dept. Pub. Wks. soon takes bids 4 story addition, rein.-con., brick and stone, Sussex St. $400,000. R. C. Wright, c/o Dept. Pub. Wks., archt.

Ont., Ottawa—Home—Ottawa Protestant Orphans Home plans rein.-con. and brick, plain foundation, Carling Ave. $150,000. Engineer and architect not selected.

BIDS DESIRED

N. Y., Brooklyn—High School—Nov. 13, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., addition to Erasmus Hall High School, Bedford Ave., for Bd. Educ., 500 Park Ave., New York. Noted Dec. 22.

N. Y., Hicksville—High School—Oct. 29, by Bd. Educ., brick, steel and stone, plain foundation. $200,000. Coffin & Coffin, 522 5th Ave., New York City, archts. and engrs. Noted Sept. 21.

N. Y., Syracuse—School—Oct. 27, by Bd. Contr. & Supply, 2 and 3 story, rein.-con., brick and steel, Seymour St. J. A. Randall, S. A. and K. Bldg., archt. W. J. Burns Co., Keith Theatre Bldg., (low bidder) at opening Oct. 8, withdrew bid claiming mistake in bid price. Noted Sept. 20.

N. J., Trenton—Nov. 6, by J. O. Hunt, archt., 219 East Hanover St., 4 story, brick and steel, for Y. W. C. A., 141 East Hanover St. $600,000. Former bid rejected. Noted Sept. 20.

Pa., Flourtown—High School—Nov. 1, by Springfield Twp. School Bd., Springfield Twp. Bldg., Bethlehem Pike, Erdenheim, 2 story and basement, concrete, brick and steel, here. $200,000. Ritter & Shay, North Amer. Bldg., Phila., archts.

Pa., Lancaster—School—Oct. 30, by Bd. Educ., 3 story and basement, 148 x 210 ft., rein.-con., brick and steel, West Walnut and Nevin Sts. $600,000. C. E. Urban, 442 Woolworth Bldg., archt. Noted Sept. 27.

Pa., Palmerton—High School—Nov. 1, by L. J. Kemmerer, secy. Bd. Educ., 3 story and basement, 139 x 165 ft., rein.-con., brick, steel and stone, 3rd and Lafayette Sts., here. $300,000. W. H. Lee, 1505 Race St. Phila., archt. Noted Oct. 4.

Pa., Phila.—Theatre—Oct. 29, by F. Seeburger & C. F. Rabenholde, archts., 1524 Chestnut St., 1 story, 81 x 126 ft., with 31 x 75 ft. lobby, brick, steel and stone, plain foundation, 56th and Beaumont Sts. $200,000. Owner's name withheld.

W. Va., Charleston—Capitol—Dec. 1, by E. F. Morgan, governor, 4 story, Duffy St. $2,500,000. C. Gilbert, 244 Madison Ave., New York City, archt.

W. Va., Huntington—School—Bd. Educ. taking bids and opens same about Dec. 1, 3 story, 146 x 230 ft., steel. $200,000. R. M. Bates, 416 11th St., archt.

N. C., Charlotte—Theatre and Office—Nov. 1 (extended date), by W. L. Stoddard, archt. and engr., 9 East 40th St., New York City, for 3 story, for J. H. Cutter, Commercial Bank Bldg. Noted Oct. 11.

Ky., Louisville — Hotel — Citizens Hotel Co., receiving bids and opens same about Nov. 10, 12 story, 124 x 150 ft., brick and stone, 5th and Walnut Sts. $2,300,000. B. B. Davis, Norton Bldg., archt. Noted May 10.

O., Cincinnati—School—Nov. 12, by Business Manager Bd. Educ., 511 West Court St., 2 story, 64 x 120 ft., rein.-con., brick and terra cotta, plain foundation, Tremont St. $180,000. A. L. Fechheimer, 325 East 4th St., archt.

O., Cleveland—Apartment—M. H. Price Realty & Investment Co., Ulmer Bldg., taking bids and opens same about Oct. 30, 2 story and basement, 32 x 86 x 87 ft., brick and timber, Euclid and Sheldon Aves. $150,000. A. F. Janowitz, 811 Prospect Ave., archt.

O., Dayton — School — Nov. 8, by Bd. Educ., 2 story, rein.-con. and brick, plain foundation, Hickory St. $570,000. Gebhart & Schaeffer, 507 Keith Bldg., archts. Noted Aug. 9.

O., Piqua — Schools — Oct. 31, by Bd. Educ., two 3 story, 60 x 260 ft., brick and rein.-con., plain foundations. $325,000. Schenk & Williams, Mutual Home Bldg., Dayton, archts. Noted March 1.

O., Springfield—School—Oct. 29, by Bd. Educ., 2 story and basement, 71 x 163 ft., rein.-con. and brick. $154,000. W. C. Findt, Springfield, archt.

Ind., Indianapolis—Theatre and Office—Oct. 29, by Monument Circle Realty Co., Fletcher Bldg., brick, stone and steel, plain foundation, Monument Circle and Market St. $1,500,000. A. W. Johnson, 247 Park Ave., New York City, archt.

Mich., Detroit—Hotel—Varney & Varney, archts., 1422 Washington Blvd., taking bids and opens same about Nov. 1, 8 story and basement, 90 x 150 ft. rein.-con., brick and steel, plain foundation, Alexandrine Ave. $400,000. Owner's name withheld. Noted Sept. 13.

Ill., Chicago — Apartment — Rissman & Hirschfield, archts., 64 West Randolph St., receiving bids 3 story, 120 x 256 ft., rein.-con., brick and steel, 1034-40 Sheridan Rd., for Spanish Manor Co. c/o architects. $300,000.

Ill., Chicago—Apartment—Z. E. Smith, archt., 305 East 55th St., receiving bids 3 story, rein.-con., brick and steel, 76th and Kingston Sts., for L. M. Cull, c/o architect. $180,000.

Ill. Chicago—Church—Dubin & Eisenberg, archts., 14 West Washington St., receiving bids 3 story, 75 x 125 ft., fireproof, Springfield and Congress Sts., for Aagrod Vilno Congregation, c/o architects. $150,000.

Wis., Appleton—High Schools—Nov. 12, by School Bd., two 3 story and basement, brick, tile and concrete. $450,000. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, archts. Noted Oct. 18.

Wis., Madison—Church—F. Riley, archt., Conklin Bldg., taking bids 2 story, 60 x 150 ft., brick, rein.-con. and steel, plain foundation, for First Church of Christ. $200,000. Noted Oct. 18.

Tex., Brownsville—Hotel—Green Hotel Co., c/o J. H. Green, taking bids 6 story and basement, concrete and brick. $375,000. Everson & Co., Chicago, engrs. and archts.

Tex., Tyler—High School—Bd. Educ. taking bids remodeling old structure and constructing new brick and concrete building. $250,000. De Witt & Lemon, Southwestern Life Bldg., Dallas, engrs. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archts.

Calif., Los Angeles—Home — Johnson, Kaufman & Coate, archts., Union Bank Bldg., receiving bids 5 story, 50 x 50 ft., with 30 x 60 ft. wing, rein.-con., Eucas St., for Good Samaritan Hospital, 1243 Orange Ave.

Calif., Los Angeles—Store and Loft—K. Macdonald, archt., 1305 Brack-Shops Bldg., taking bids 11 story and basement, 100 x 150 ft., Bway. between 9th and 10th Sts., for A. C. Blumenthal and associates. $700,000.

Calif., Oakland—Store and Loft, etc.—Schirmer-Bugbee Co., archts., Thayer Bldg., receiving bids 3 story and basement, store, loft and dance hall, rein.-con., downtown dist. $175,000. Owner's name withheld.

BIDS RECEIVED

N. Y., Brooklyn—Schools—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Oct. 16, constructing schools, (a) completion of work 410 days (b) completion work 365 days (alternate a) substitution of face brick for common brick (b) substitution of cut cast marble for terra cotta (c) substitution of limestone for terra cotta (d) substitution of solid plaster partitions for hollow tile partition, for P. S. 205, 20th Ave. from 67th to 68th Sts., from G. F. Driscoll, 115 Schermerhorn St, (a) $995,995 (b) $1,025,995 (alternate a) add $14,840; P. S. 210, Rochester Ave. from Park Pl. to Prospect Pl., from G. Colon & Co., 81 East 125th St., New York, (a) $1,030,000 (b) $1,070,000 (alternate a) deduct $6,441 (b) deduct $19,200 (c) add $6,100 (d) add $1,000. Noted Oct. 4.

N. J., Clifton—High School—Bd. Educ., Oct. 17, 4 story, brick, Main Ave., from T. J. O'Halloran, Newark, $575,000. Noted Oct. 4.

O., Ridgeville (North Ridgeville P. O.)—Schools—Bd. Educ. general contract two 2 story, brick, steel and concrete, from J. Kaiser & Bro., Elyria, $125,000.

CONTRACTS AWARDED

Conn., Hartford—Bank—Mechanics Savings Bank, Pearl St., 50 x 70 ft., brick, steel and stone, plain foundation, Pearl St., to M. Eidlitz & Son, 750 Main St. Archts. est. $300,000. Noted Oct. 18.

N. Y., New York—Apartment—Evander Childs Realty Corp., c/o G. E. Miller, archt. and engr., 1482 Bway., will build 6 story, brick, steel and stone, plain foundation, University Ave., by day labor. $300,000.

N. Y., New York—Apartment—Five Fourteen West End Ave. Corp., c/o G. Ajelton, archt. and engr., 52 Vanderbilt Ave., will build brick steel and stone, plain foundation, West End Ave., by day labor. $650,000.

N. Y., New York — Apartment — Nine Thirty-Three Park Ave. Corp., c/o Sugarman, Hess & Berger, archts. and engrs., 18 East 43rd St., will build brick, steel and stone, plain foundation, Park Ave., by day labor. $600,000.

N. Y., New York—Apartment—M. Solomon, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 5 story, Marsy Pl. near Jerome Ave., also 5 story, Clarke Pl., both brick, steel and stone, plain foundation, by day labor. $200,000 each.

N. Y., New York—Apartment—H. and S Sonn, Inc., c/o Margon & Glaser, archts and engrs., 2804 3rd Ave., will build 14 story, 75 x 175 ft., brick, steel and stone, plain foundation, 39th St. and Park Ave. by day labor.

N. Y., New York—Hospital—Phipi, Surge, Lhue, Inc., 18 East 41st St., brick, steel and stone, plain foundation, 72nd St. and West End Ave., to Natl. Constructors & Engineers, Inc., 18 East 41st St. Archts. est. $1,000,000.

N. Y., Northport—School—Bd. Educ., 2 story, brick, steel and stone, plain foundation, Laurel Ave., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $275,000. Noted May 24.

N. Y., Schenectady—Club—Mohawk Golf Club, Schenectady-Troy Rd., rebuilding golf club, to Dubois-Bennett & Son, McClellan St. Archts. est. $150,000. Noted May 3.

Pa., Middletown — Home — Independent Order of Odd Fellows of Pennsylvania, 17th and Tioga Sts., Phila., 3 story and basement, 157 x 299 ft., rein.-con., brick and steel, here, general contract to Shamokin Lumber and Constr. Co. Shamokin, $309,000; heating to Hersh Bros., Allentown, $36,320; plumbing to T. H. Williams, 735 South 26th St., Harrisburg, $30,625.

W. Va., Institute—Administration—State Bd. Control, Charleston, administration school building, here, to Charlottesville Lumber Co., Charlottesville, Va., $362,700. Noted Aug. 9.

N. C., Fayetteville—Hotel—Fayetteville Hotel Co., 8 story and basement, brick and stone, general contract to J. A. Jones Constr. Co., Realty Bldg., Charlotte, $249,000; heating and plumbing to Toomey Plumbing and Heating Co., 29 South Church St., Charlotte, $49,790. Noted Sept. 20.

N. C., Greensboro—Office—Cone Export & Commission Co., 3 story, 100 x 100 ft., brick and limestone, to J. Fanning, Inc., Asheville, $200,000. Noted July 12.

N. C. Raleigh—Gymnasium—North Carolina College of Agriculture & Engineering, concrete, steel, brick and tile, on campus, to Gaskill Constr. Co., Wilson, $215,000. Noted Apr. 4.

Ky., Louisville—Hospital—St. Josephs Infirmary, 637 4th St., 7 story hospital, Eastern Parkway and Preston St., to Struck Constr. Co., 147 North Clay St., Louisville, archts. est. $1,500,000. Noted July 5.

O., Cincinnati—School—Bd. Educ., 511 West Court St., general contract 2 story, 75 x 109 ft. addition to Avondale School, Reading Rd., to M. Penker & Sons, 123 Valencia St., $119,932. Noted Aug. 2.

Mich., Detroit—Art—Detroit Art Comm. Art Museum, Jefferson Ave., 2 story and basement, 148 x 195 ft., 112 x 148 ft. and 95 x 290 ft. rein.-con., brick and stone, plain foundation, Woodward Ave., to

Buildings (Continued)

Bryant & Detwiler Co., 2336 Dime Bank Bldg., $448,364. Noted Sept. 13.

Mich., Detroit—Sales and Show Rooms—Packard Motor Co., 574 East Woodbridge St., 2 story, 104 x 144 ft. rein.-con., brick and steel, plain foundation, Jefferson Ave., to Malow-Barry Co., 2631 Woodward Ave., Archts. est. $150,000.

Ill., Belleville—Hall—Belleville Turners Society, general contract 2 story and basement, 106 x 189 ft., to C. H. Schenk, 1329 South 6th St., Springfield. Archts. est. $150,000.

Ill., Chicago—Apartment—E. J. Patelski, archt., 157 West Randolph St., 3 story, 100 x 250 ft., rein.-con., brick and steel, 2214-22 North Kedzie Ave., to H. Stone, 2647 Crystal St. Archts. est. $200,000. Owner's name withheld.

Ill., Chicago — Clubhouse — Glen Oak Country Club, c/o H. K. Nicol, 122 South Michigan Ave., 2½ story, 61 x 200 ft., fireproof, Glen Oak, to H. C. Hass, 7407 Madison St., Forrest Park. Archts. est. $150,000.

Ill., Chicago—Hospital—Lakeside Hospital, 3410 Rhodes St., 4 and 5 story and basement, fireproof, Rhodes and 34th Sts., to B. W. Constr. Co., 111 North Dearborn St. Archts. est. $200,000. Noted Oct. 4.

Ill., Peoria—Apartment—Main and Perry Building Co., general contract 4 story and basement, brick and rein.-con., Main St., to Jobst & Sons, Lehman Bldg. Archts. est. $200,000.

Wis., Milwaukee—Apartment—W. Hoffmann, 5522 Washington Blvd., will build 3 story and basement, 84 x 100 ft., brick and concrete, plain foundation, Grand Ave., by day labor. $150,000. O. Webb, 544 49th St., archt.

Tex., Dallas—Dormitory—Buckners Orphans Home general contract 4 story and basement, to Christman & Nesbit, Slaughter Bldg., $140,000. Noted July 12.

Okla., Norman—Medical and Engineering—State Bd. Pub. Affairs, c/o B. Lafayette, chn., general contract 3 story and basement, 50 x 145 ft. medical building, also 3 story and basement, 50 x 150 ft., engineering building, both rein.-con., brick and stone, plain foundation, on University Campus, to Kreipke-Schafer Constr. Co., 616 Herskowitz Bldg., Oklahoma City, $150,000 each.

Okla., Tulsa—Church—First Presbyterian Church, 7th and Boston Sts., 1 story and basement, 75 x 150 ft., brick and stone, rein.-con. foundation, to A. T. Hingle, 608 Mayo Bldg., $300,000. Noted Aug. 9.

Ore., Astoria—Club—Elks Assn., Elks Temple, general contract 3 story, 75 x 100 ft., brick, rein.-con. and terra cotta, to H. J. Settgrun, Elks Temple, $136,740. Noted Apr. 12.

Calif., Los Angeles—Bank and Offices—J. Toplitsky, H. W. Hellman Bldg., 12 story, rein.-con., brick and steel, Spring and 7th Sts., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., about $1,250,000, fixed fee, guaranteed cost basis. Noted July 19.

Calif., Los Angeles—Church—St. Vincents Church, 1887 South Grand Ave., rein.-con. and brick, Adams and Figueroa Sts., to Wurster Constr. Co., Union Terminal Bldg., $432,000. Noted Oct. 4.

Ont., Ottawa—Bank—Canadian Bank of Nova Scotia, 320 Bloor St. W., Toronto, 3 story 66 x 99 ft., rein.-con., brick and stone, Sparks St., to Carswell Constr. Co., 58 Wellington St., Toronto. Archts. est. $200,000. Noted Apr. 26.

Ont., Toronto—Office—Canada Life Assurance Co., Canada Life Bldg., 3 story, 100 x 120 ft., rein.-con., brick and steel, plain foundation, Gerrard and Yonge Sts., general contract to P. H. Secord & Son Constr. Co. Ltd., Temple Bldg., structural steel, to McGregor & McIntyre, 1139 Shaw St. Total est. $200,000.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Machinery—U. S. Engineer, P. O. Box 72, plans to purchase operating machinery incl. 39,000 lb. structural steel, 75,000 ton cast steel, 55,000 lb. cast iron, 2,200 lb. phosphor bronze, etc., for Dams 44 and 45, Ohio River.

Ky., Louisville—Steel Barges—U. S. Engineer, P. O. Box 72, plans to purchase two 120 x 36 x 7½ ft., two 100 x 25 x 5 ft. and sixteen 110 x 26 x 6½ ft., steel barges.

Montana—Roads—U. S. Bureau Pub. Rds., Missoula, plans gravel surfacing 27.6 mi. Project 152, Blaine and Phillips Counties, and 11 mi. Project 208, Glacier Co.

California—Road—Constructing Quartermaster, Fort Mason, San Francisco, having surveys made paving 15,500 lin.ft. road to Gigling Reservation, oil macadam, 18 ft., Monterey Co.

BIDS DESIRED

N. Y., New York—Dredging—Nov. 24, at office U. S. Engineer, 2nd Dist., Army Bldg., dredging in Newark Bay, N. J.; adv. E. N.-R. Oct. 25.

Ga., Fort Benning—Quarters, etc.—Nov. 16 at office Constructing Quartermaster, 6 double sets officers quarters and hospital buildings, incl. heating plant, etc.; adv. E. N.-R. Oct. 25.

Ala., Mobile—Steel Barges—Dec. 1, at office U. S. Engineer, Mobile, construction 5 steel barges; adv. E. N.-R. Oct. 25.

Ky., Louisville—Barges—Nov. 23 at office U. S. Engineer, 20 steel barges; adv. E. N.-R. Oct. 25.

O., Steubenville—Post Office—Nov. 21, by Treas. Dept., Wash., D. C., for U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ill., Chicago—Barges—Nov. 20, at office U. S. Engineer, 537 South Dearborn St., 3 steel barges; adv. E. N.-R. Oct. 25.

Wis., Milwaukee—Steel Barge, etc.—Oct. 30, at office U. S. Engineer, constructing steel barge and installing steel derrick, etc.; adv. E. N.-R. Oct. 25.

Idaho, American Falls—Sewer—Nov. 21 by U. S. Bureau Recl., American Falls, sewerage system in Reclamation Addition to this city, Minidoka Project. D. W. Davis, comr.; adv. E. N.-R. Oct. 25. Noted Oct. 11.

Calif., Mare Island—Fuel Oil Storage—Spec. 4717—Nov. 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., two 50,000 bbl. fuel oil tanks, 3 motor driven centrifugal oil pumps, 3 brick pump houses and 1 heater house, etc., at Navy Yard, here. Noted Oct. 18.

BIDS RECEIVED

Md., Anapolis—Water Supply Improvements—Spec. 4890—Bureau Yards & Docks, Navy Dept., Wash., D. C., improvements to water supply at high power radio station, here. (1) work complete, from A. Pope, 4722 15th St., Wash., D. C., (1) $19,800 (2) $16,750 (3) $21,350 (4) $20,350 (5) $20,600 (6) $50. Noted Oct. 4.

Ga., Dawson—Post Office—Treas. Dept., Wash., D. C., construction U. S. Post Office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $42,000. Noted Sept. 20.

Fla., Pensacola — Distribution System, etc.—Spec. 4715—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam distribution and heating systems, at Naval Air Station, here, (1) work complete, from W. G. Cornell Co., 19 Patterson St., N.E., Wash., D. C., (1) $13,159 (2) $6,644 (3) $12,138. Noted Oct. 4.

La., Carville — Buildings — Treas. Dept., Wash., D. C., construction except mechanical equipment, additional buildings incl. patients' cottages, infirmary, recreation building, kitchen, mess hall, all terra cotta and stucco, storehouse and officers' quarters, timber construction, at National Home for Lepers, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $465,410. Noted Sept. 20.

La., Carville—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment of additional buildings incl. patients' cottages, recreation building, kitchen, mess hall, store house, and officers' quarters; extension and remodeling outside services incl. heating, electric, water supply, sewage disposal, refrigeration, etc., and constructing power house, complete incl. mechanical equipment, National Home for Lepers, here, from S. Faith & Co., 2427 Penn Ave., Phila., Pa., $287,000. Noted Sept. 20.

Ky., Louisville—Steel Hulls—U. S. Engineer, P. O. Box 72, six steel derrick boat hulls, from Dravo Contg. Co., Diamond Bldg., Pittsburgh, $88,200.

Ind., Newburg—Dwellings—U. S. Engineer, P. O. Box 72, Louisville, Ky., 2 lockkeepers dwellings at Dam 47, here, from C. Kanzler & Son Co., Furniture Bldg., Evansville, $22,450. Noted Sept 20.

Ark., North Little Rock—Building, etc.—F. T. Hines, dir. U. S. Veterans Bureau, at office Constructing Quartermaster General, 2306 Munitions Bldg., Wash., D. C., for disturbed patients' building, 2 continued treatment buildings, recreation building, tuberculosis cottage, male attendents' quarters, additions to nurses quarters, and to kitchen and mess, all rein.-con., brick and tile; together with road, water, sewer and electric lines serving same (1) work complete from Herman & McCain, Little Rock, (1) $614,000 (2) $30,300 (3) $30,100 (4) $128,000 (5) $140,500 (6) $51,000 (7) $57,000 (8) $46,500 (9) $11,500 (10) unit prices (a) $7.30 (b) $0.83 (c) $7.60 (d) $4.50 (e) $1 (f) $2 (g) $2.50 (h) $3 (i) $2.75 (j) $2.25 (k) $11.50 (l) $15 (m) $86 (n) $72 (o) $3 (p) $145 (q) $145 (r) $145. Noted Sept. 20.

Wash., Puget Sound—Radio Masts—Spec. 4897—Bureau Yards & Docks, Navy Dept., Wash., D. C., three 200 ft. radio masts at Navy Yard, here, from Pole & Tube Wks., 907 Evans Bldg., Wash., D. C., $8,965. Noted Sept. 20.

CONTRACTS AWARDED

Mich., Detroit—Post Office—U. S. Treas. Dept., Wash., D. C., 2 story and basement, 100 x 100 ft., brick, steel and concrete branch Post Office, Cass and Baltimore Aves., here, to R. D. Brown, 1033 North Meridian St., Indianapolis, Ind. Archts. est. $150,000.

Ky., Louisville—**Steel Hulls**—U. S. Engineer, P. O. Box 72, 9 steel derrick boat hulls, to Dravo Contg. Co., Diamond Bldg., Pittsburgh, $130,140 (270 days).

Miscellaneous

PROPOSED WORK

Dock, etc.—Niagara Falls, N. Y.—Tonawanda Iron Corp. plans large dock, also improvements and enlargements to plant. $250,000. Engineer not announced.

Power Development—Shushan, N. Y.—See "Dams."

Transmission Lines—Massillon, O.—See "Waterworks."

Suburban Development — Greensboro, N. C.—Southern Real Estate Co. and others, forming corporation to be known as Sedgefield Co. Inc., and plan development of 3,655 acres, incl. country club, golf links, tennis courts, residential development, driveways, water sewers, etc. $150,000.

Terminals—Norfolk, Va. — Will issue $2,000,000 bonds for port terminals.

Gas Mains, etc.—Sarasota, Fla.—McAnsh Co. plans gas mains, etc. $60,000.

Levee—Clarksdale, Miss.—Yazoo-Mississippi Delta Levee rejected bids enlarging 5 mi. old Ward Lake Levee, 75,000 cu.yd. banquette enlargement and 10,000 cu.yd. topping. Contract was not awarded as bonds providing for project were not sold. W. L. Heach, ch. engr. Noted Sept. 27.

Tunnel—Port Huron, Mich.—Detroit Edison Co., 2000 2nd Blvd., Detroit, preparing plans 500 ft. concrete tunnel, 7½ ft. diam., 45 ft. deep, under Black River, to carry gas mains and electric cables. Private plans.

Trucks, etc.—Kenosha, Wis.—City plans to purchase following equipment during 1924, 2 trucks for Garbage Dept., $4,500 and $2,300 each; 2 trucks for Street Dept. $3,500 and $2,300 each; tractor for Street Dept. $4,250; street sweeper $6,000; concrete mixer $1,200; machine to clean catchbasins $4,500; 2 road graders $1,500. B. W. Bolerjack, city purch. agt.

Foundation—Madison, Wis.—See "Streets and Roads."

Park—Dallas, Tex.—Plans new 60 acre park in Oak Cliff, incl. paving, curbing, guttering, sewerage, water, lights, tennis courts, etc. $50,000. E. A. Kingsley, city engr.

Gas Mains—Magnolia Park, Tex.—See "Industrial Works."

Street Sweeper—Hanford, Calif.—City plans to purchase motor driven street sweeper. B. Duffield, city engr.

Lighting System—Los Angeles, Calif.—Los Angeles Co. having prepared lighting system, concrete standards, in Washington Blvd. $40,000.

Wharves—Newport Beach, Calif.—See "Industrial Works."

Dock—Richmond, Calif.—City plans additional dock at municipal wharf. To exceed $150,000. H. Chapman, city engr.

Fire Alarm System—San Mateo, Calif.—Plans installing fire alarm system, underground system in downtown section, and over-head system in residential section. $30,000. G. S. Whitehead, city engr.

Stadium—London, Ont.—Western University Governors, plan steel and concrete stadium, 5,000 seating capacity. $80,000 A. T. Little, chn.

Ice Rink—Niagara Falls, Ont.—Election Dec. 3, to vote on $30,000 bonds for artificial ice rink.

BIDS DESIRED

Station Finish—Brooklyn, N. Y.—Nov. 2, (extended date), by Transit Comn., 49 Lafayette St., New York, station finish work for part of Bway.-4th Ave. Rapid Transit R.R. Lawrence St. Station, here. G. McAneny, chn.

Piping, etc.—Jamestown, N. Y.—Nov. 1, by M. O. Swanson, supt. Bd. Pub. Utilities, furnishing power house piping Contr. J-13-23, erecting same Contr. J-14-23, traveling water screens Contr. J-15-23, turbo-generator Contr. J-8-23, condenser and auxiliaries Contr. J-9-23, all to be installed in Steele St. lighting plant. L. T. Kaluder, Pennsylvania Bldg., Phila., consult. engr.

Column Foundations, etc.—Long Island City, N. Y.—Nov. 2, by Transit Comn., 49 Lafayette St., New York City, column foundations and structural steel, for part of Rapid Transint R.R., Flushing Route, here. G. McAneny, chn.

Bituminous Road Material—New York, N. Y.—See "Streets and Roads."

Miscellaneous (Continued)

Relocating Entrance, etc.—New York, N. Y. — Nov. 2, by Transit Comn., 49 Lafayette St., relocating entrances to 157th St. Station of Manhattan-Bronx Rapid Transit R.R., Agreement "CR"; frogs, switches and tracks and preparation of tracks for storage of cars, 180th St. Yard, White Plains Rd. Line, Route 18. G. McAneny, chn.

Concrete Mixers—Greensboro, Fla.—Electric Mfg. & Developing Co. in market for concrete mixers and allied equipment.

Tractors—Dallas, Tex.—Nov. 12, by C. E. Gross, aud. Dallas Co., one or more 5 ton caterpillar tractors. Nagle, Witt & Rollins, co. engrs.

Engines, etc. — Ennis, Tex. — City Com. taking bids two 5 hp. electric belt driven engines Y type, two 5 in. 2 stage centrifugal pumps, 700 g.p.m. against 150 ft. head, fittings, etc. H. McCanless, city engr.

Sprinkler Truck—Calexico, Calif.—Nov. 6, by City Trustees, furnishing and delivering 5 ton street sprinkling truck with flusher attachment, 1,500 gal. capacity. P. B. Steintorf, clk.

Electrolier System—Fresno, Calif.—City Council receiving bids electrolier system in Bway, et al. To exceed $25,000. W. Stranahan, city engr.

Borings for Subway—Oakland, Calif.—Nov. 12, by Supervs. Alameda Co., drill test borings in connection with Estuary subway btween Oakland and Alameda, bids to be received as follows: (1) drill and sample holes 1 to 8,525 lin.ft. (2) drill and sample holes 9-16, 630 lin.ft. (3) drill and sample holes 17-30, 325 lin.ft. (4) 300 special samples (5) price per hour for crew and equipment. G. A. Posey, co. surv.

BIDS RECEIVED

Underground Fire Alarm System—New York, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., Oct. 17, part of underground fire alarm system in Bronx Boro, from W. F. Kenny Co., 44 East 23rd St., Item 1 $10,914; J. Sudgen Co., 100 5th Ave., Item 2 $62,775. Noted Oct. 11.

Tunnel—Phila., Pa.—Comrs. Fairmount Park, City Hall, constructing street railway tunnel and approaches beneath Parkway at Art Museum, involving 950 ft. subway and 500 ft. of open cut for approaches, from A. J. O'Neill Co., Weightman Bldg., $320,000. Noted Oct. 4.

Lighting System—Santa Ana, Calif.—Installing ornamental lighting system in West 4th and West 5th Sts., from W. A. McNally, 517 South Bway., Pasadena, $54,800. Noted Mar. 29.

Gate Valves—Montreal, Que.—Furnishing two 48 in. and four 48 in. gate valves from Dominion Eng. Wks., Lachine, $6,500 and $11,850, respectively; five 36 in., one 30 in. and one 24 in. gate valves from Drummond McCall & Co., 28 Victoria Sq., $7,515, $1,105 and $635 respectively.

CONTRACTS AWARDED

Sand, Cement, etc.—New York, N. Y.—Bd. Purch., Municipal Bldg., cement, to Jameson & Bond, Far Rockaway, $0.7875; coarse sand and broken stone, to C. & C. Contg. Co., 324 Jay St., Brooklyn, $2.04 and $2.64 respectively; broken stone, to Knickerbocker Supply Co., 149 Church St., $4.49. Noted Oct. 4.

Coal Tipple—Dawson Springs, Ky.—Dawson Daylight Coal Co. new coal tipple, crushing outfit, loading booms, etc., to develop new coal lands, to Morrow Mfg. Co., Wellston, O., Engrs. est. $30,000. Noted Oct. 11.

Ornamental Lighting System—Bexley (Columbus, P. O.) O.—S. W. Roderick, village clk., ornamental street lighting system, lights will be placed 100 ft. apart on main thoroughfares, and 200 ft. apart on other thoroughfares, to Johns Electric Co., Chicago, Ill., $76,000. Noted Sept. 27.

Steel—Kenosha, Wis.—See "Industrial Works" under "Bids Desired."

Gas Holder—Madison, Wis.—Madison Gas & Electric Co., 100 North Fairchild St., 186 x 186 ft. gas storage holder, to J. H. Findorff, 601 West Wilson St. Engrs. est. $45,000. Noted Oct. 18.

Cement—Milwaukee, Wis.—For 4,000 bbl. cement, to Degentesh Bros., 28th and Forest Home Aves., $2.715 per bbl. Noted Oct. 18.

Heating Plant—Sheboygan, Wis.—City will build central heating plant at city farm by day labor. Will purchase equipment. R. R. John, City Hall, engr. Noted Sept. 27.

Gravel—Houston, Tex.—For 5,000 tons gravel, to Starkey & Brown, West Bldg., $12,947.

Mud Shell—Houston, Tex.—Harris Co. 17,000-23,000 cu.yd. mud shell for ballast on railroad classification yard Turning basin Ship Channel, to Horton & Horton, McKinney Ave., $0.78 per cu.yd. Noted Sept. 27.

Ornamental Lights—Seattle, Wash.—See "Streets and Roads."

OFFICIAL PROPOSALS

Bids: Nov. 20.

Sewerage System

Ponchatoula, La.

The Mayor and Board of Aldermen of the Town of Ponchatoula, Louisiana, will receive bids at the Town Hall until Two O'clock P.M. **November 20th, 1923,** for material and labor necessary in the building of the Sewerage System Improvements.

The contemplated improvements requires approximately the following:

Disposal Works consisting of Pumping Plant, Imhoff Tank with Dosing Chamber, Sprinkling Filter Bed and Sludge Bed.

48 Feet of 18 in. Class "B" B. & S. Cast Iron Pipe.
19000 Feet of 8 in. Vitrified Sewer Pipe.
7000 Feet of 10 in. Vitrified Sewer Pipe.
1500 Feet of 15 in. Vitrified Sewer Pipe.
3100 Feet of 18 in. Vitrified Sewer Pipe.
With branches, tees, etc.,

or

The same quantities and sizes of Concrete Sewer Pipe, with branches, tees, etc.

2000 Feet of 10 in. Class "A" B. & S. Cast Iron Pipe.
2000 Feet of 10 in. Wood Stave Pipe.
Trenching, laying and back filling.
Manholes, lampholes, etc.

Plans and specifications will be on file at the office of the Town Clerk, Ponchatoula, La., and at the office of the ENGINEERS. All bids must be submitted on blanks for that purpose furnished with the specifications.

Plans and specifications with bid sheets can be obtained from the ENGINEERS, SWANSON-McGRAW, INC., 705 UNITED Fruit Building, New Orleans, La., by depositing Twenty-five Dollars ($25.00), Seventeen Dollars and fifty cents ($17.50) of which deposit will be returned to bona fide bidders, or if the plans and specifications are returned to the ENGINEERS prior to the date set for receiving bids.

Each bid must be accompanied by a certified check (Bidder's bond not acceptable) in an amount of five per cent (5%) of the gross amount bid, but in no event shall check be in less amount than Fifty Dollars ($50.00) as evidence of good faith.

The right is reserved to reject any or all bids, waive any or all formalities, or accept any bid or bids which in the opinion of the Board appear to be to the best intesest of the Town.

W. R. HAIGHT,
Mayor.
E. D. PARKER,
Clerk.

SWANSON-McGRAW, INC.,
Consulting Engineers,
United Fruit Building,
New Orleans, La.

Bids: Nov. 7.

Storm Sewer

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the construction of 20 in. storm sewer, manholes, cross drains and catch basins on the W. Long Branch-Interlaken Rd. No. 41, Sect. 1—Total Length, 2973 Lin. Ft. and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey on Wednesday, Nov. 7, 1923, at 11:00 A.M.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

ATTEST:
CHARLES E. COLE, Clerk.
Freehold, N. J., Oct. 17, 1923.

Bids: Nov. 9.

State Highway Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Friday, November 9th, 1923 at the hours named below, and will be opened and read immediately thereafter.

BIDS AT 12:00 NOON (STANDARD TIME)

Construction of an 80 ft. single leaf overhead counterweight bascule highway span for a 30 ft. roadway over a 50 ft. channel together with concrete piers, timber bents, two 36 ft. timber testle approaches, fender racks and temporary bridge over Cedar Bonnet, Manahawken Bay on the road between Manahawken and Beach Haven, in the Municipality of Stafford, County of Ocean.

BIDS AT 12:10 P.M. (STANDARD TIME)

Construction of a 65 ft. double leaf bascule highway span with a 30 ft. roadway and two 5 ft. 6 in. roadway extensions over a 50 ft. channel together with two 40 ft. encased plate girder approach spans, concrete piers, abutments, retaining walls, standard approach slabs, roadway pavement, fenders over Inland Waterway Canal, M. P. 66.6, State Highway Route No. 4, Section No. 21, in the Borough of Point Pleasant County of Ocean.

Drawings, specifications and forms of bid, contract and bond for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.